

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071618\
 Data File : VW003946.D
 Acq On : 16 Jul 2018 12:23
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Quant Time: Jul 16 14:11:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 14:12:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	285130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	445570	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	404701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	211428	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	30324	9.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.20%	
35) Dibromofluoromethane	7.88	113	27801	9.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.90%	
50) Toluene-d8	10.33	98	106022	9.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.50%	
62) 4-Bromofluorobenzene	12.62	95	37545	9.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	15913	11.01	ug/l	90
3) Chloromethane	2.20	50	23767	10.35	ug/l	94
4) Vinyl Chloride	2.36	62	31595	10.08	ug/l	100
5) Bromomethane	2.77	94	18365	9.10	ug/l	96
6) Chloroethane	2.92	64	16890	9.14	ug/l	98
7) Trichlorofluoromethane	3.25	101	13763	10.51	ug/l #	81
8) Diethyl Ether	3.67	74	14716	10.33	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.04	101	29631	10.82	ug/l	100
10) Methyl Iodide	4.26	142	40956	10.10	ug/l	99
11) Tert butyl alcohol	5.19	59	11440	55.62	ug/l #	89
12) 1,1-Dichloroethene	4.03	96	29240	10.87	ug/l	93
13) Acrolein	3.89	56	11755	49.76	ug/l	99
14) Allyl chloride	4.65	41	46886	10.02	ug/l	98
15) Acrylonitrile	5.36	53	34646	49.27	ug/l	100
16) Acetone	4.12	43	38756	54.91	ug/l	96
17) Carbon Disulfide	4.37	76	92123	10.60	ug/l	100
18) Methyl Acetate	4.67	43	16516	9.32	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	50949	9.60	ug/l	100
20) Methylene Chloride	4.91	84	55213	11.83	ug/l	96
21) trans-1,2-Dichloroethene	5.40	96	31417	10.16	ug/l	98
22) Diisopropyl ether	6.31	45	94203	9.74	ug/l	97
23) Vinyl Acetate	6.26	43	284867	48.08	ug/l	99
24) 1,1-Dichloroethane	6.21	63	58349	10.07	ug/l	99
25) 2-Butanone	7.18	43	50297	51.19	ug/l	99
26) 2,2-Dichloropropane	7.16	77	36015	10.96	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	33313	9.98	ug/l	99
28) Bromochloromethane	7.51	49	24663	9.80	ug/l	97
29) Tetrahydrofuran	7.54	42	30951	49.86	ug/l	98
30) Chloroform	7.68	83	57769	9.92	ug/l	97
31) Cyclohexane	7.95	56	57367	10.73	ug/l #	92
32) 1,1,1-Trichloroethane	7.87	97	46116	10.20	ug/l	100
36) 1,1-Dichloropropene	8.08	75	47863	10.30	ug/l	99
37) Ethyl Acetate	7.26	43	21104	9.79	ug/l	99
38) Carbon Tetrachloride	8.07	117	44493	10.23	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	54341	10.28	ug/l	94
40) Benzene	8.32	78	130507	10.05	ug/l	100
41) Methacrylonitrile	7.49	41	12428	10.03	ug/l	91
42) 1,2-Dichloroethane	8.40	62	39942	9.98	ug/l	100
43) Isopropyl Acetate	8.43	43	39015	9.60	ug/l	99
44) Trichloroethene	9.09	130	34204	10.32	ug/l	98
45) 1,2-Dichloropropane	9.37	63	33545	10.07	ug/l	95
46) Dibromomethane	9.46	93	17206	10.06	ug/l	99
47) Bromodichloromethane	9.65	83	41780	9.83	ug/l	98
48) Methyl methacrylate	9.44	41	17868	9.18	ug/l	98
49) 1,4-Dioxane	9.46	88	4699	180.61	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	103238	47.78	ug/l	100
52) Toluene	10.39	92	80908	10.01	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	42510	9.76	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	48735	9.78	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	24471	10.12	ug/l	98
56) Ethyl methacrylate	10.65	69	27483	9.08	ug/l	98
57) 1,3-Dichloropropane	10.94	76	41075	9.78	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	68347	48.02	ug/l	100
59) 2-Hexanone	10.98	43	72640	48.55	ug/l	95
60) Dibromochloromethane	11.13	129	26874	9.58	ug/l	100
61) 1,2-Dibromoethane	11.24	107	22421	9.92	ug/l	96
64) Tetrachloroethene	10.87	164	29056	10.09	ug/l	95
65) Chlorobenzene	11.66	112	89264	10.22	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	30678	10.14	ug/l	98
67) Ethyl Benzene	11.74	91	151781	9.98	ug/l	100
68) m/p-Xylenes	11.85	106	117916	20.16	ug/l	99
69) o-Xylene	12.17	106	52806	9.80	ug/l	100
70) Styrene	12.19	104	87537	9.64	ug/l	98
71) Bromoform	12.35	173	16201	9.75	ug/l #	97
73) Isopropylbenzene	12.47	105	150378	10.17	ug/l	100
74) N-amyl acetate	12.28	43	35377	9.35	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	28515	10.11	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	38476	16.55	ug/l #	100
77) Bromobenzene	12.76	156	35925	10.15	ug/l	100
78) n-propylbenzene	12.81	91	183762	10.05	ug/l	99
79) 2-Chlorotoluene	12.90	91	104509	10.12	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	126432	10.07	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	9187	10.49	ug/l	99
82) 4-Chlorotoluene	12.99	91	113591	10.21	ug/l	100
83) tert-Butylbenzene	13.21	119	104452	9.97	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	129569	10.00	ug/l	97
85) sec-Butylbenzene	13.39	105	159850	10.21	ug/l	99
86) p-Isopropyltoluene	13.51	119	137846	10.05	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	73306	10.26	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	75104	10.48	ug/l	99
89) n-Butylbenzene	13.83	91	134025	9.93	ug/l	99
90) Hexachloroethane	14.10	117	25205	9.91	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	64371	10.07	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4960	10.09	ug/l	94

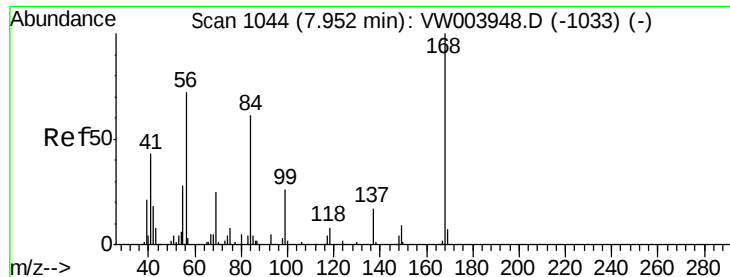
Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071618\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	44892	10.18	ug/l	98
94) Hexachlorobutadiene	15.25	225	26498	10.42	ug/l	100
95) Naphthalene	15.38	128	75725	9.55	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	38913	9.96	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003946.D

Acq: 16 Jul 2018 12:23

Instrument :

MSVOA_W

ClientSampleId :

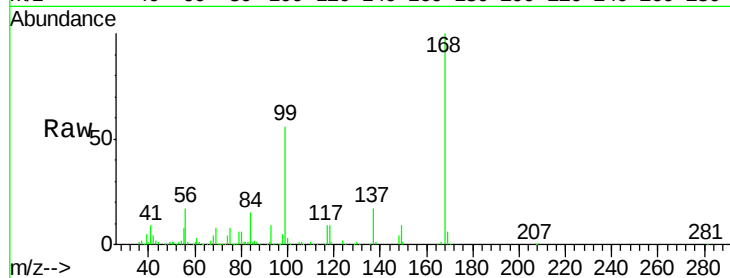
VSTDIC010

Tot Ion:168 Resp: 285130

Ion Ratio Lower Upper

168 100

99 56.0 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60):

Ion 98.90 (98.60 to 99.60): VW

7.95

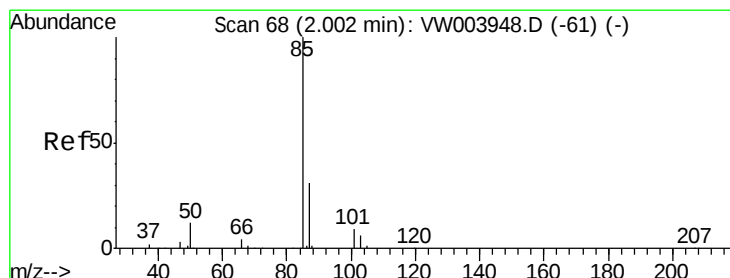
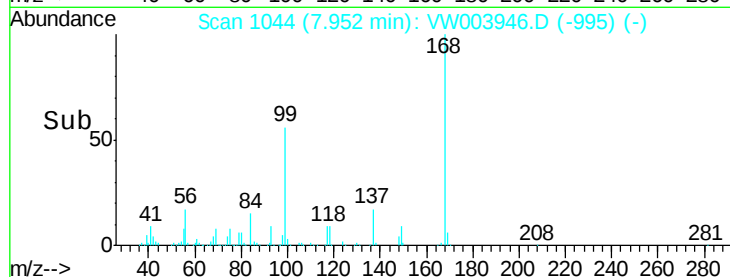
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 11.01 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW003946.D

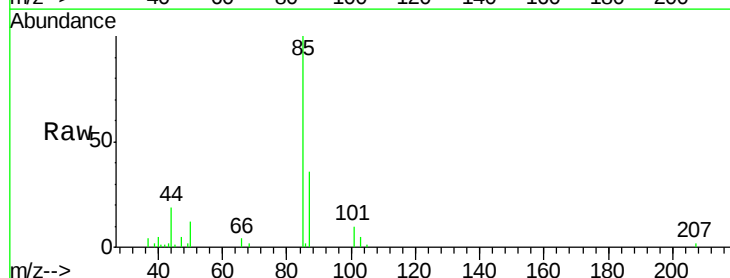
Acq: 16 Jul 2018 12:23

Tgt Ion: 85 Resp: 15913

Ion Ratio Lower Upper

85 100

87 36.2 15.4 46.2



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

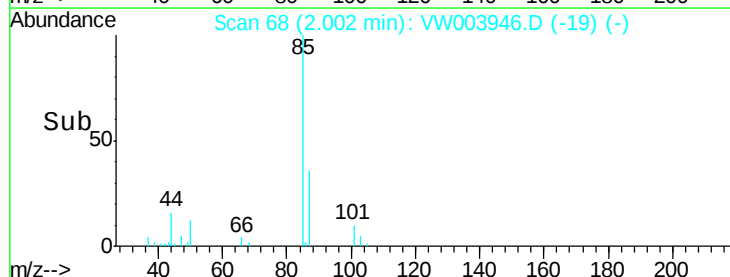
6000

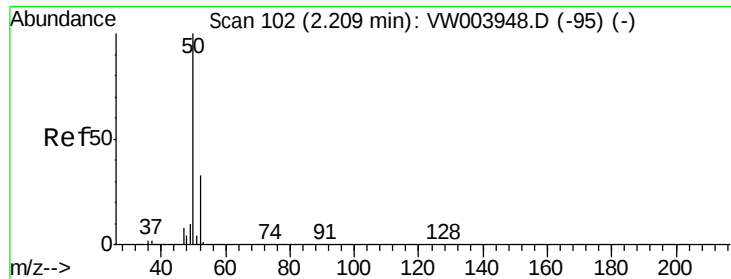
4000

2000

0

Time--> 1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 10.35 ug/l

RT: 2.20 min Scan# 101

Delta R.T. -0.01 min

Lab File: VW003946.D

Acq: 16 Jul 2018 12:23

Instrument :

MSVOA_W

ClientSampleId :

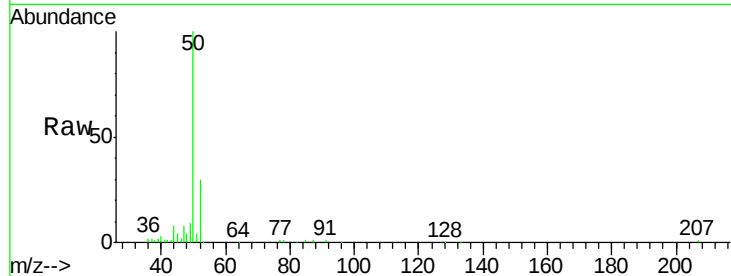
VSTDIC010

Tot Ion: 50 Resp: 23767

Ion Ratio Lower Upper

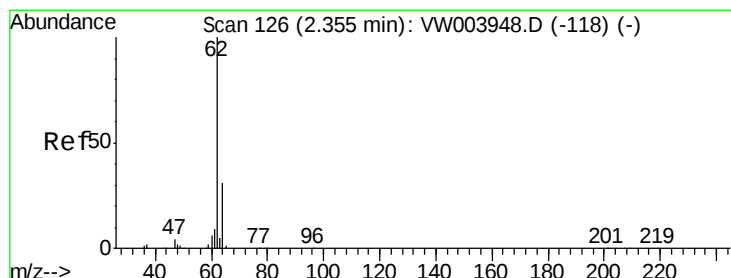
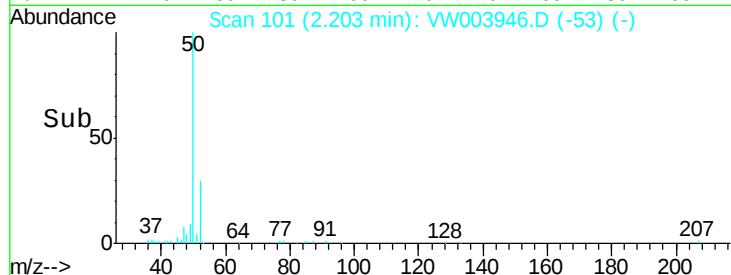
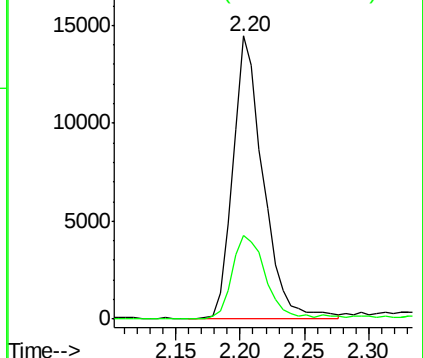
50 100

52 29.8 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 10.08 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW003946.D

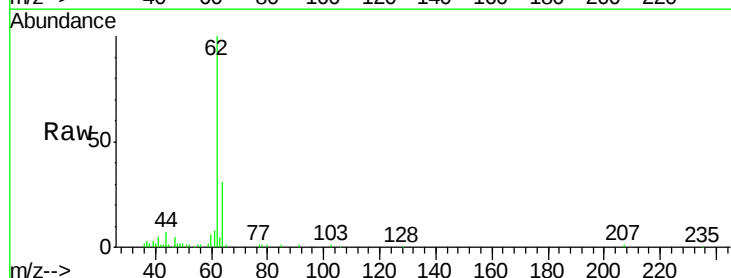
Acq: 16 Jul 2018 12:23

Tgt Ion: 62 Resp: 31595

Ion Ratio Lower Upper

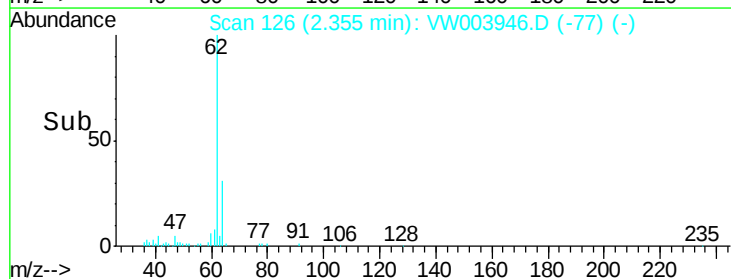
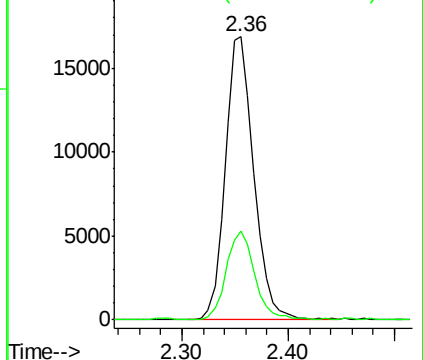
62 100

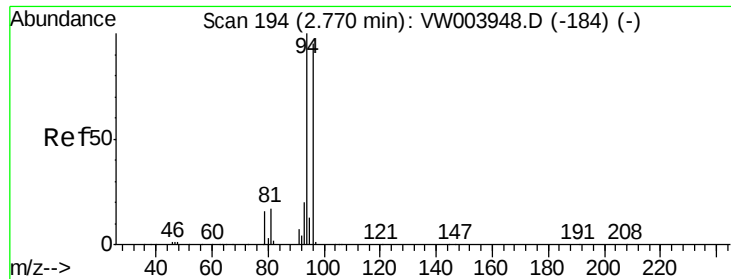
64 31.4 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 9.10 ug/l

RT: 2.77 min Scan# 194

Delta R.T. -0.00 min

Lab File: VW003946.D

Acq: 16 Jul 2018 12:23

Instrument :

MSVOA_W

ClientSampleId :

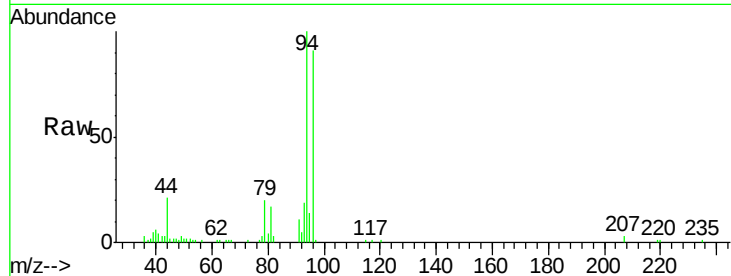
VSTDIC010

Tot Ion: 94 Resp: 18365

Ion Ratio Lower Upper

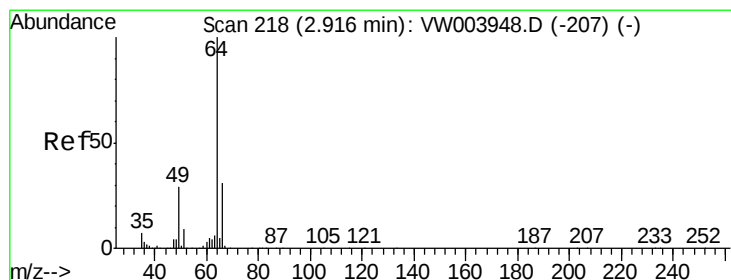
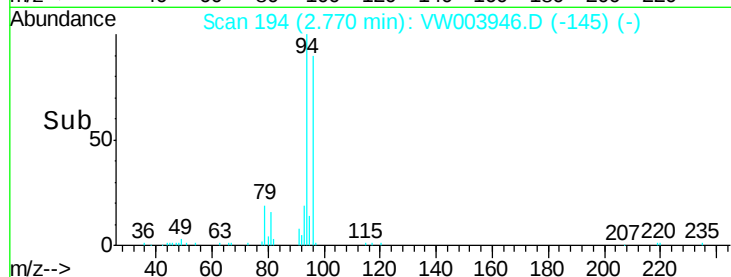
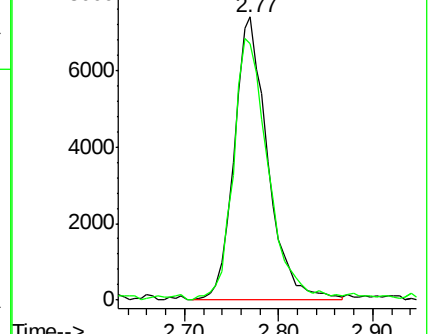
94 100

96 90.7 75.8 113.6



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 9.14 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.01 min

Lab File: VW003946.D

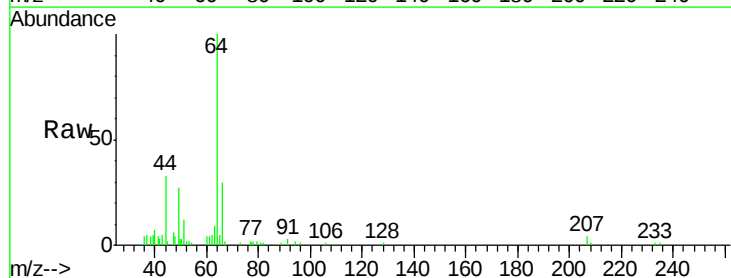
Acq: 16 Jul 2018 12:23

Tgt Ion: 64 Resp: 16890

Ion Ratio Lower Upper

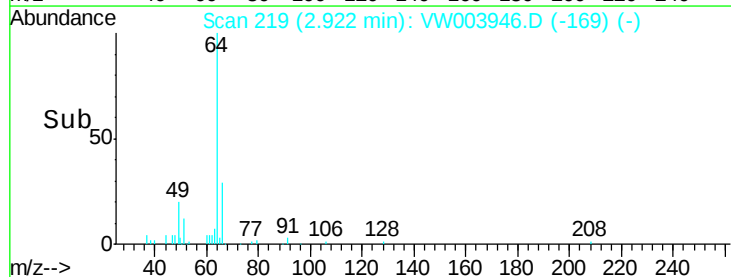
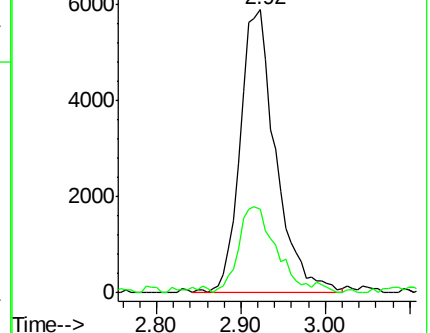
64 100

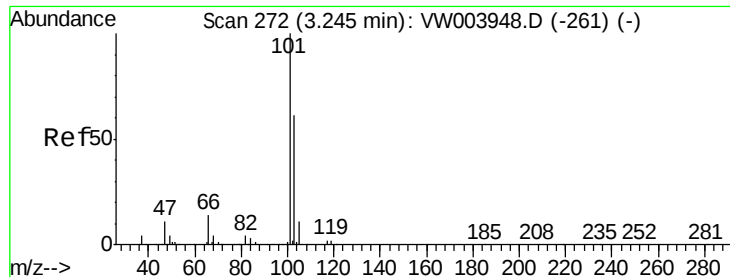
66 29.6 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



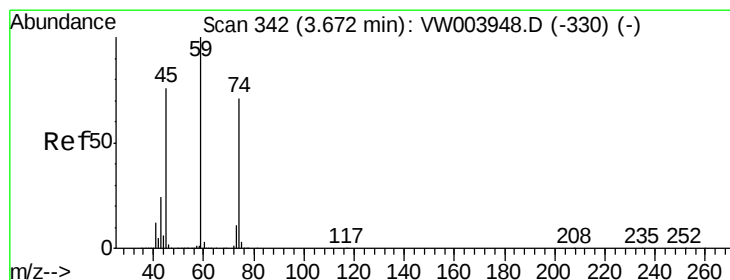
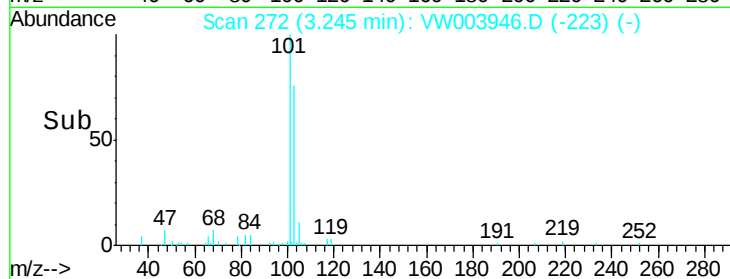
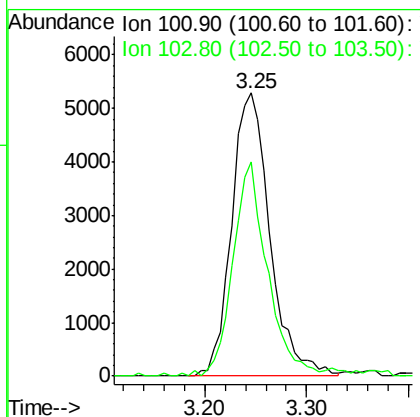
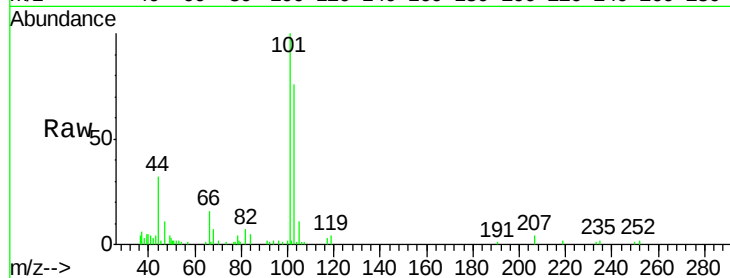


#7

Trichlorofluoromethane
Concen: 10.51 ug/l
RT: 3.25 min Scan# 272
Delta R.T. -0.00 min
Lab File: VW003946.D
Acq: 16 Jul 2018 12:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

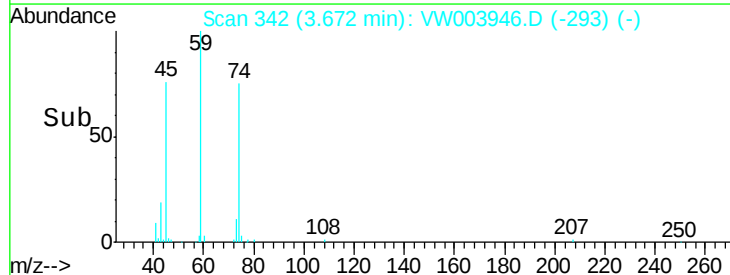
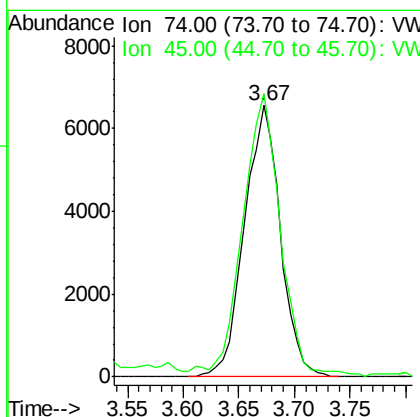
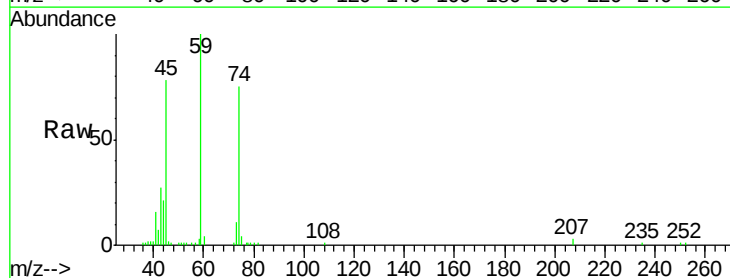
Tot Ion:101 Resp: 13763
Ion Ratio Lower Upper
101 100
103 75.6 49.0 73.6#

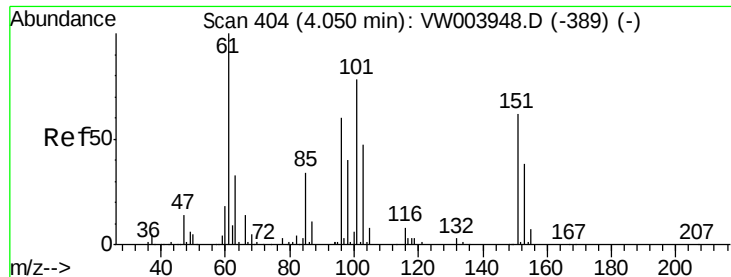


#8

Diethyl Ether
Concen: 10.33 ug/l
RT: 3.67 min Scan# 342
Delta R.T. -0.00 min
Lab File: VW003946.D
Acq: 16 Jul 2018 12:23

Tgt Ion: 74 Resp: 14716
Ion Ratio Lower Upper
74 100
45 110.6 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.82 ug/l

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW003946.D

Acq: 16 Jul 2018 12:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

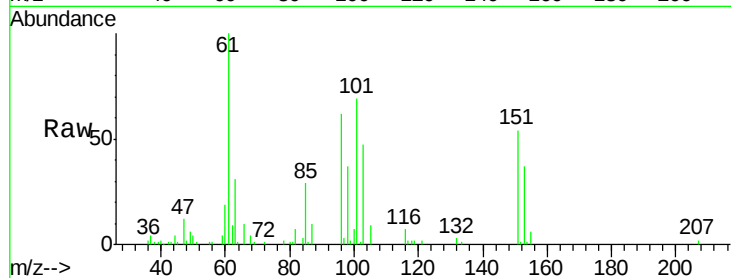
Tot Ion:101 Resp: 29631

Ion Ratio Lower Upper

101 100

85 44.9 35.8 53.6

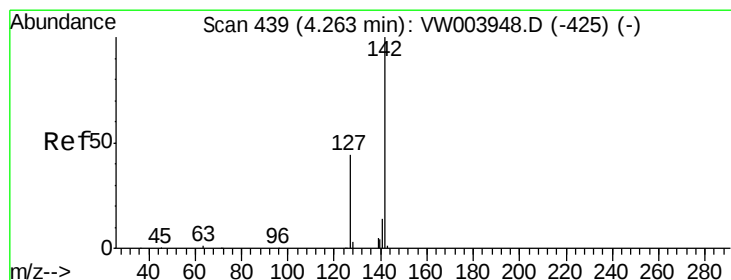
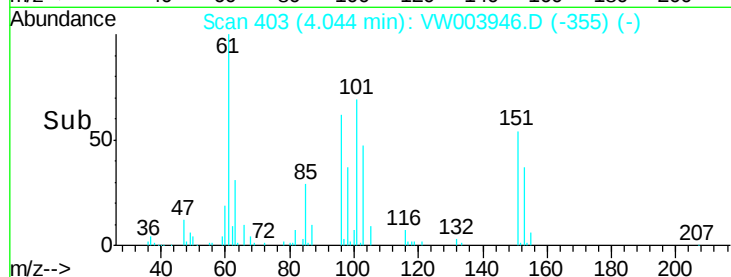
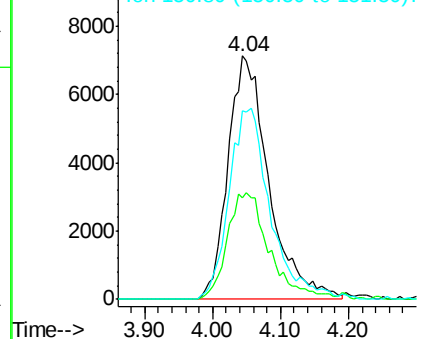
151 79.3 63.6 95.4



Abundance Ion 100.90 (100.60 to 101.60):

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50):



#10

Methyl Iodide

Concen: 10.10 ug/l

RT: 4.26 min Scan# 438

Delta R.T. -0.01 min

Lab File: VW003946.D

Acq: 16 Jul 2018 12:23

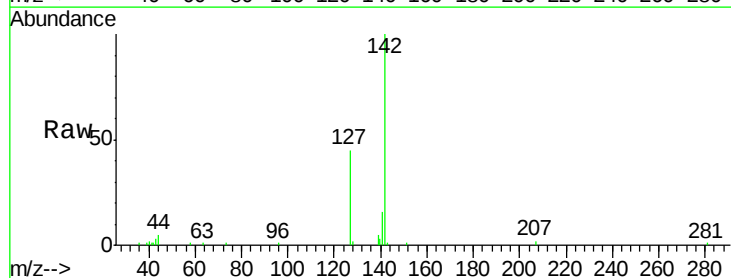
Tgt Ion:142 Resp: 40956

Ion Ratio Lower Upper

142 100

127 45.1 35.4 53.2

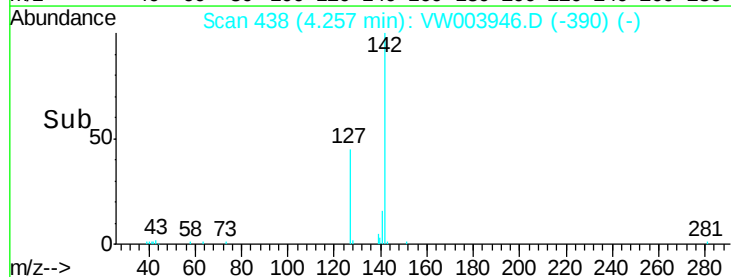
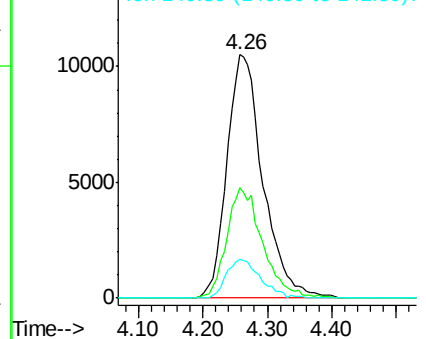
141 15.1 11.7 17.5

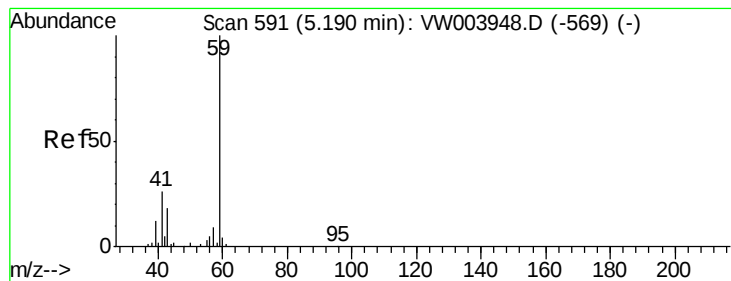


Abundance Ion 141.80 (141.50 to 142.50):

Ion 126.80 (126.50 to 127.50):

Ion 140.80 (140.50 to 141.50):





#11

Tert butyl alcohol

Concen: 55.62 ug/l

RT: 5.19 min Scan# 591

Delta R.T. -0.00 min

Lab File: VW003946.D

Acq: 16 Jul 2018 12:23

Instrument :

MSVOA_W

ClientSampled :

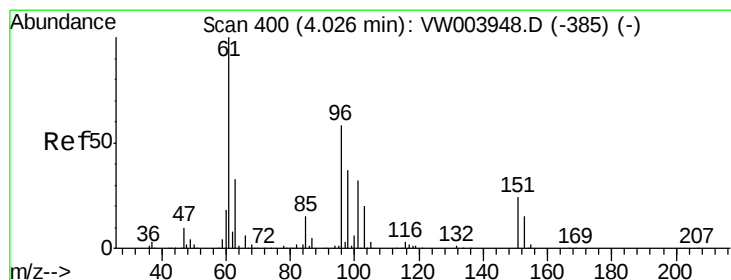
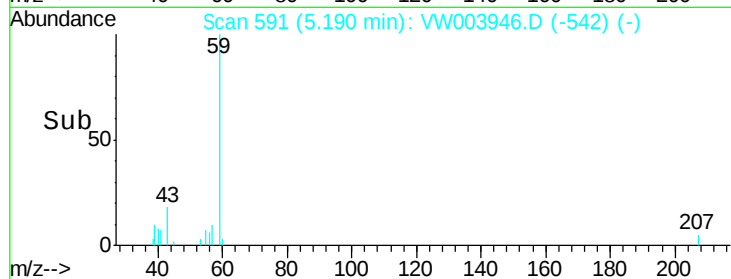
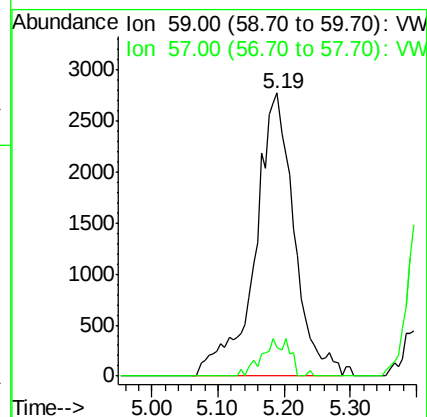
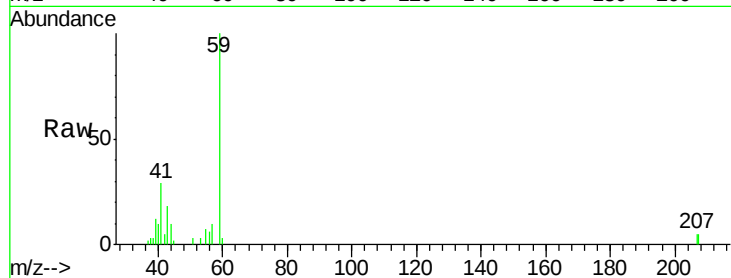
VSTDIC010

Tot Ion: 59 Resp: 11440

Ion Ratio Lower Upper

59 100

57 6.5 8.5 12.7#



#12

1,1-Dichloroethene

Concen: 10.87 ug/l

RT: 4.03 min Scan# 400

Delta R.T. -0.00 min

Lab File: VW003946.D

Acq: 16 Jul 2018 12:23

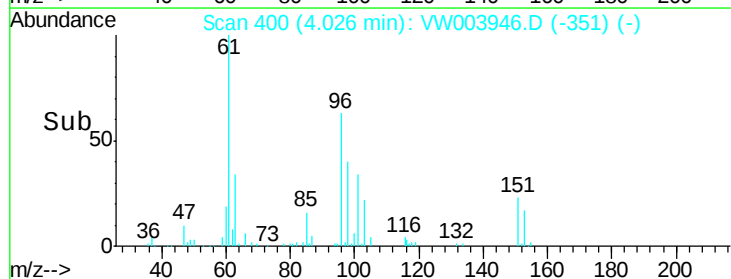
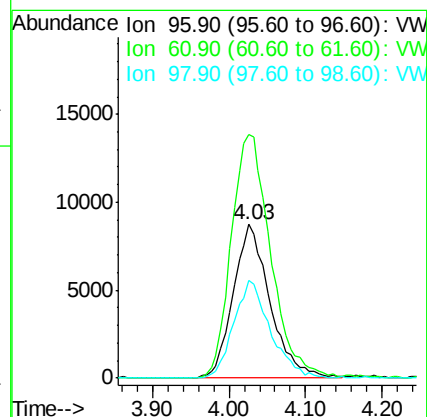
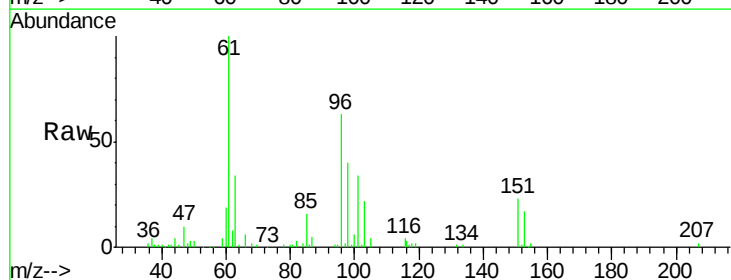
Tgt Ion: 96 Resp: 29240

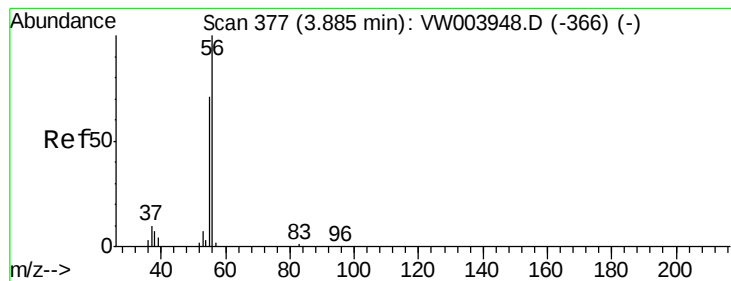
Ion Ratio Lower Upper

96 100

61 158.4 137.0 205.6

98 63.2 50.2 75.4





#13

Acrolein

Concen: 49.76 ug/l

RT: 3.89 min Scan# 377

Delta R.T. -0.00 min

Lab File: VW003946.D

Acq: 16 Jul 2018 12:23

Instrument :

MSVOA_W

ClientSampleId :

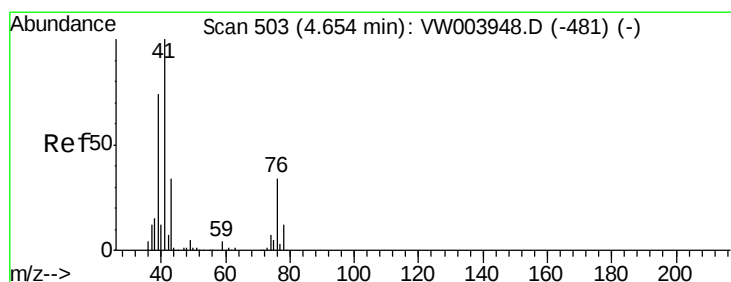
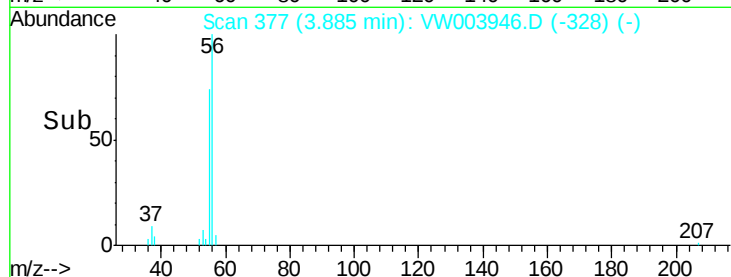
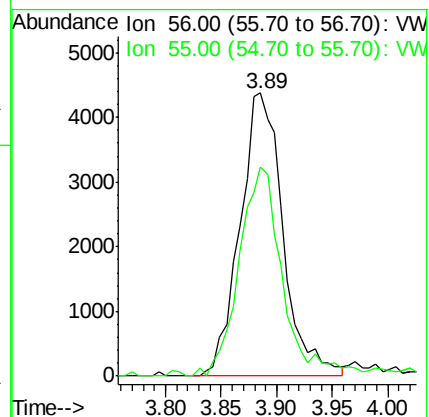
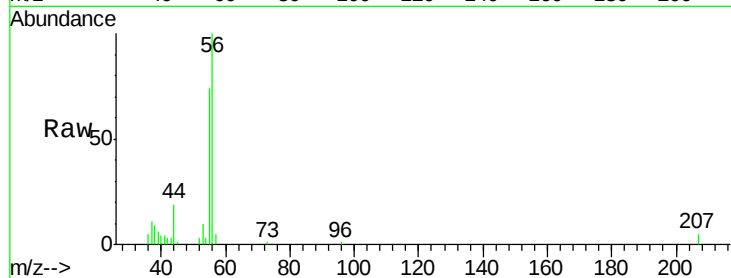
VSTDIC010

Tot Ion: 56 Resp: 11755

Ion Ratio Lower Upper

56 100

55 73.9 58.2 87.4



#14

Allyl chloride

Concen: 10.02 ug/l

RT: 4.65 min Scan# 503

Delta R.T. -0.00 min

Lab File: VW003946.D

Acq: 16 Jul 2018 12:23

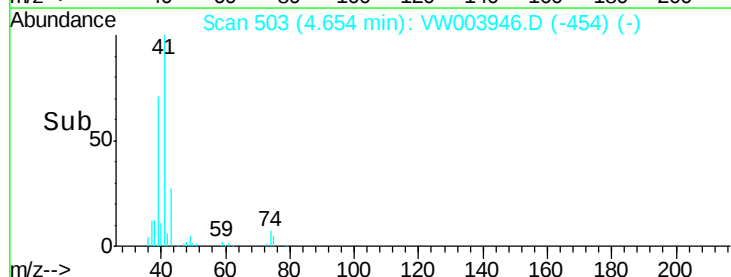
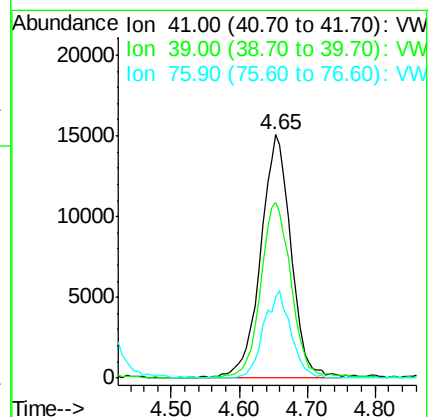
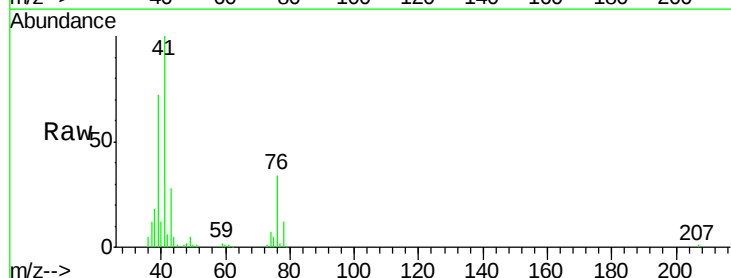
Tgt Ion: 41 Resp: 46886

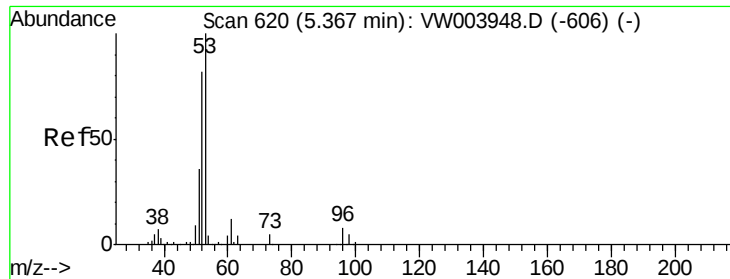
Ion Ratio Lower Upper

41 100

39 72.6 57.0 85.4

76 32.3 26.5 39.7





#15

Acrylonitrile

Concen: 49.27 ug/l

RT: 5.36 min Scan# 619

Delta R.T. -0.01 min

Lab File: VW003946.D

Acq: 16 Jul 2018 12:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

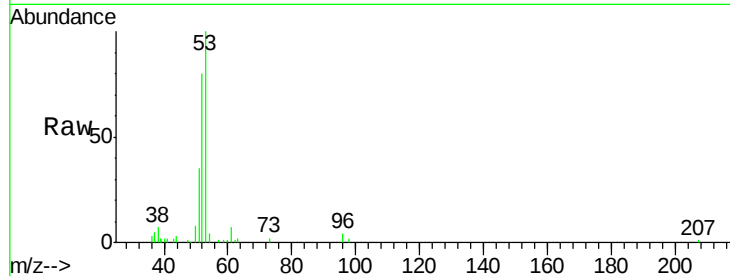
Tot Ion: 53 Resp: 34646

Ion Ratio Lower Upper

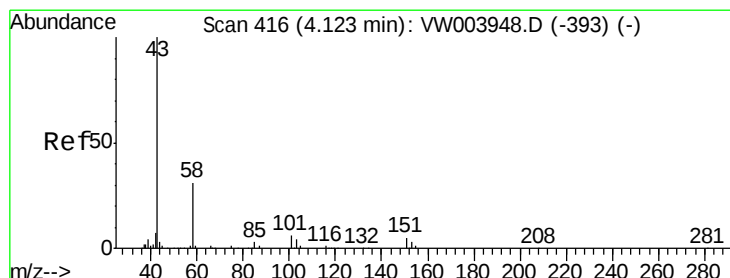
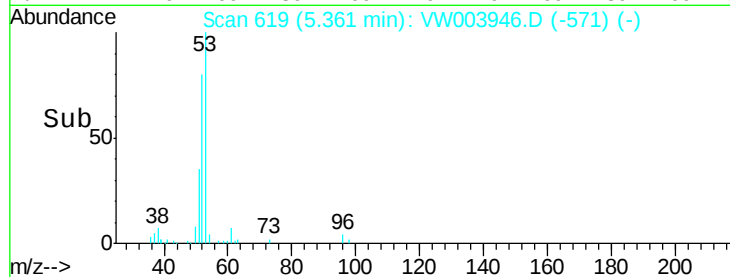
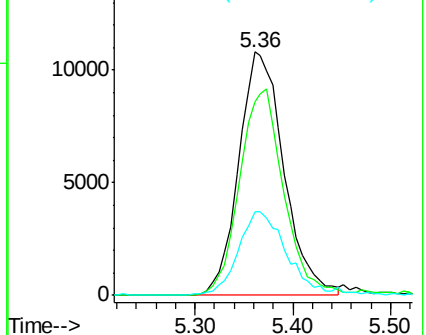
53 100

52 82.8 66.1 99.1

51 37.3 29.8 44.6



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 54.91 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.00 min

Lab File: VW003946.D

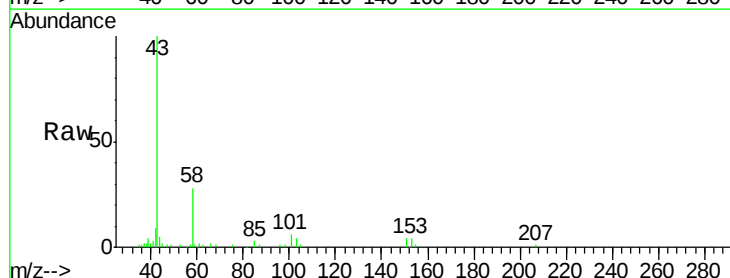
Acq: 16 Jul 2018 12:23

Tgt Ion: 43 Resp: 38756

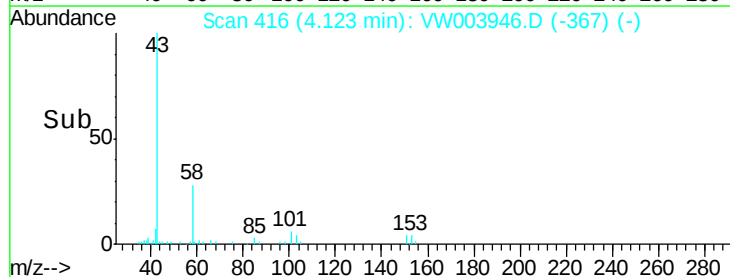
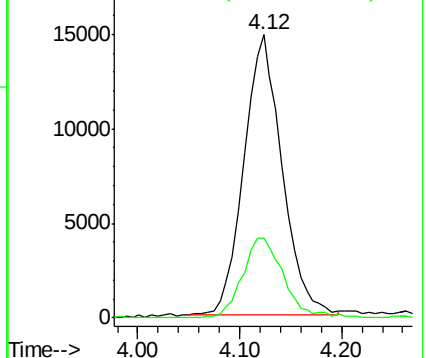
Ion Ratio Lower Upper

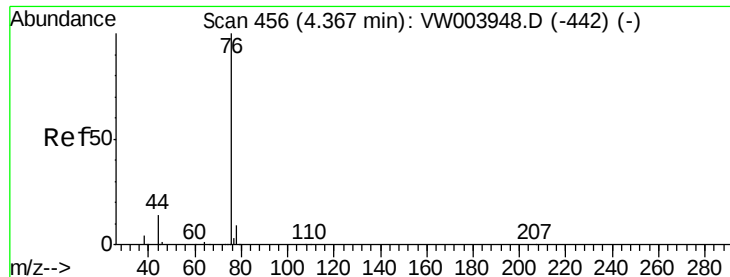
43 100

58 28.5 24.5 36.7



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 10.60 ug/l

RT: 4.37 min Scan# 456

Delta R.T. -0.00 min

Lab File: VW003946.D

Acq: 16 Jul 2018 12:23

Instrument :

MSVOA_W

ClientSampleId :

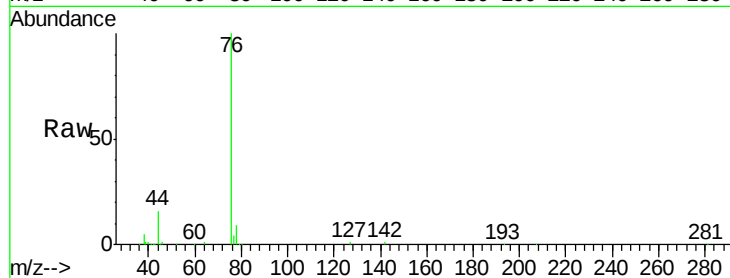
VSTDIC010

Tot Ion: 76 Resp: 92123

Ion Ratio Lower Upper

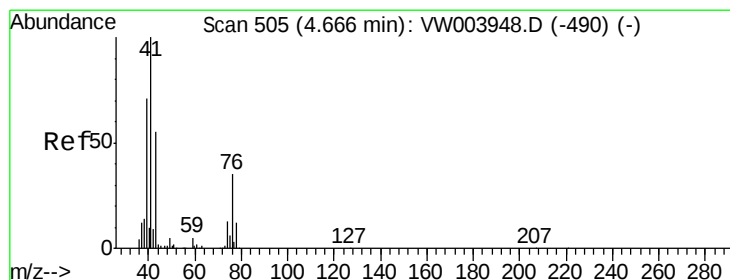
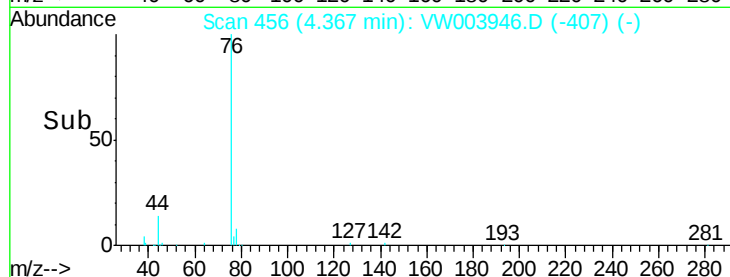
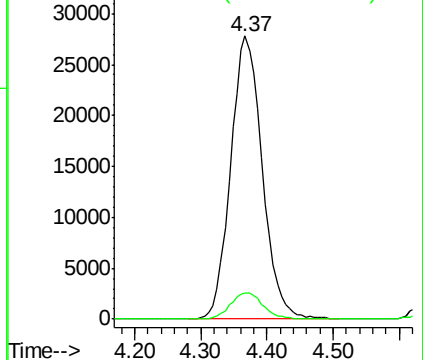
76 100

78 9.0 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 9.32 ug/l

RT: 4.67 min Scan# 506

Delta R.T. 0.01 min

Lab File: VW003946.D

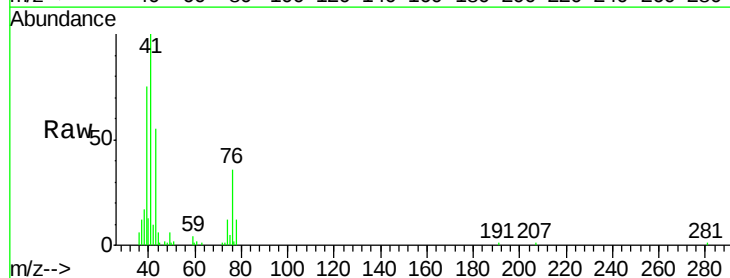
Acq: 16 Jul 2018 12:23

Tgt Ion: 43 Resp: 16516

Ion Ratio Lower Upper

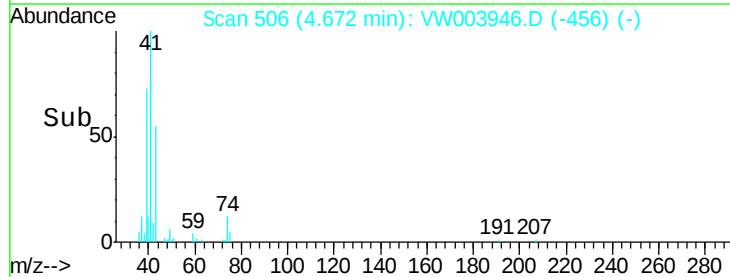
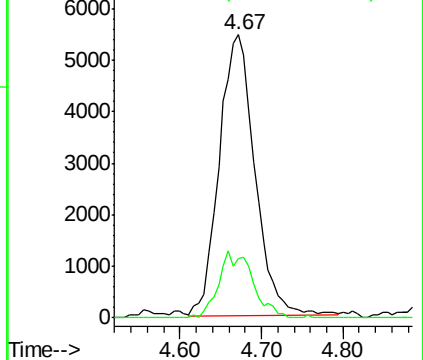
43 100

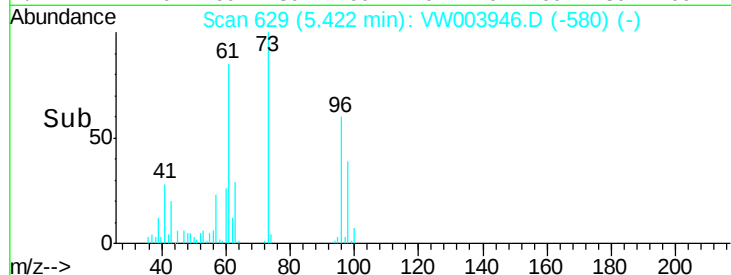
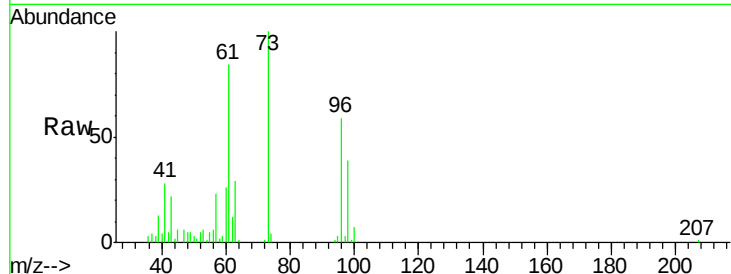
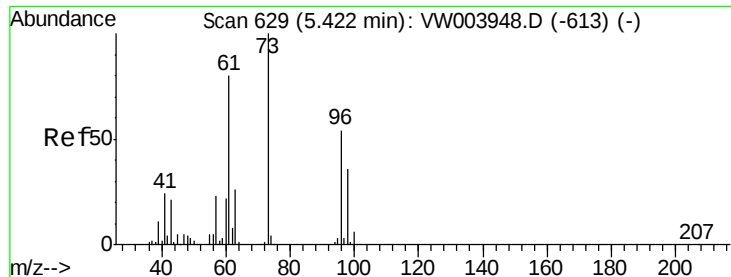
74 22.5 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

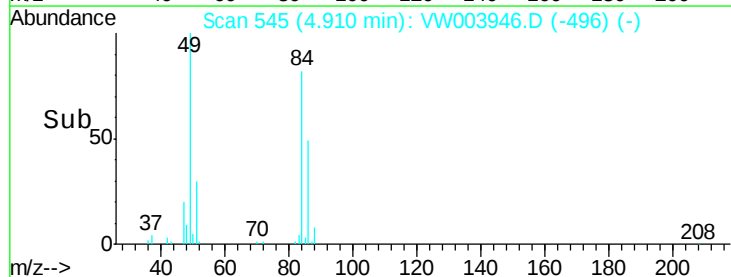
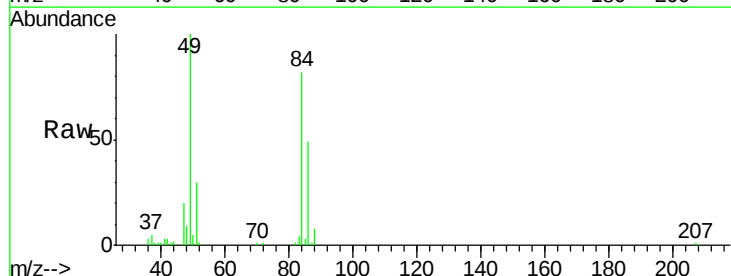
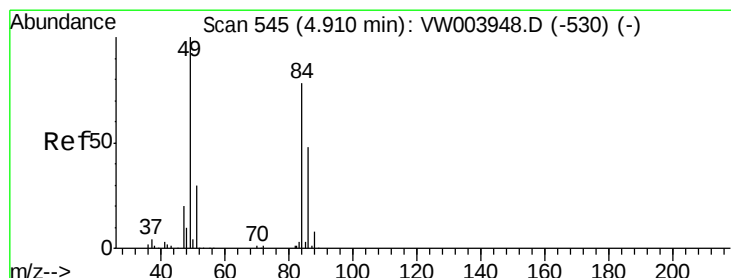
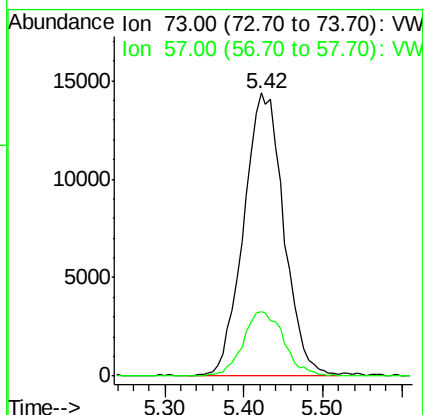




#19
Methyl tert-butyl Ether
Concen: 9.60 ug/l
RT: 5.42 min Scan# 629
Delta R.T. -0.00 min
Lab File: VW003946.D
Acq: 16 Jul 2018 12:23

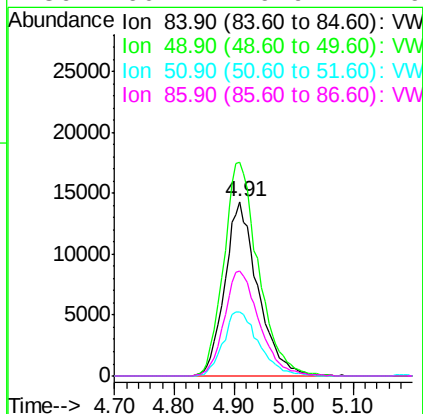
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

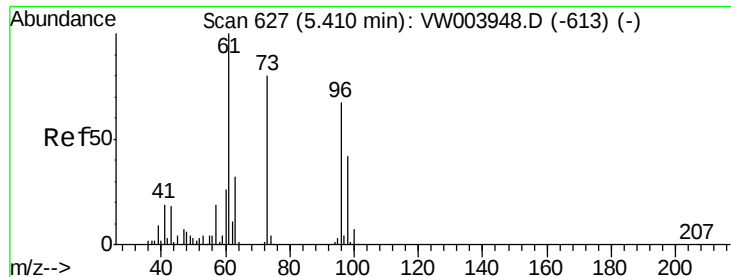
Tot Ion: 73 Resp: 50949
Ion Ratio Lower Upper
73 100
57 22.9 18.2 27.4



#20
Methylene Chloride
Concen: 11.83 ug/l
RT: 4.91 min Scan# 545
Delta R.T. -0.00 min
Lab File: VW003946.D
Acq: 16 Jul 2018 12:23

Tgt Ion: 84 Resp: 55213
Ion Ratio Lower Upper
84 100
49 122.6 102.9 154.3
51 37.0 30.9 46.3
86 60.1 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 10.16 ug/l

RT: 5.40 min Scan# 626

Delta R.T. -0.01 min

Lab File: VW003946.D

Acq: 16 Jul 2018 12:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

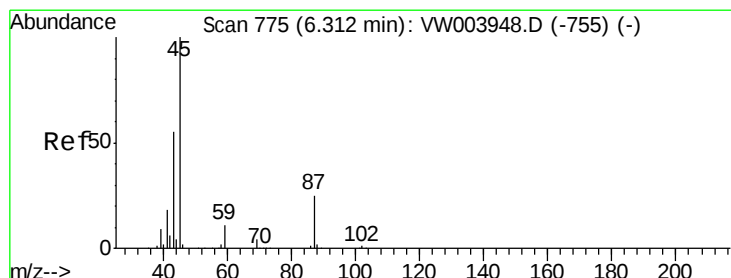
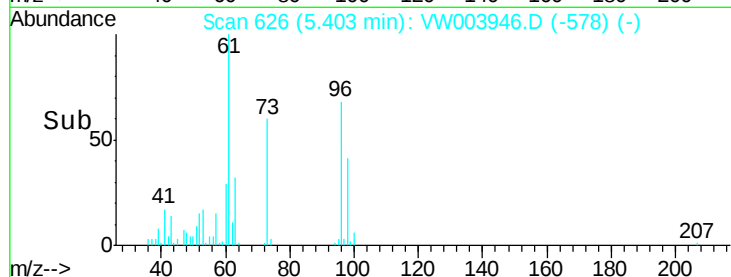
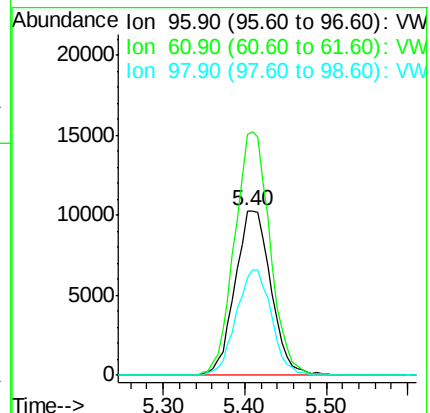
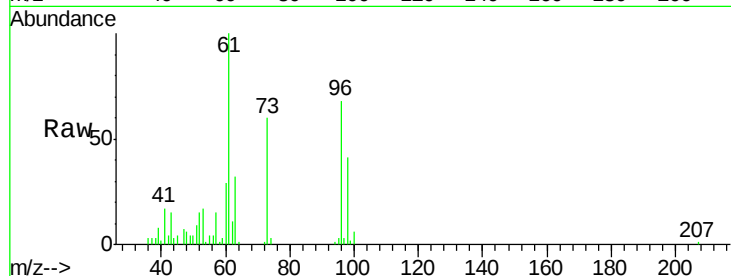
Tot Ion: 96 Resp: 31417

Ion Ratio Lower Upper

96 100

61 146.7 119.0 178.4

98 59.7 49.9 74.9



#22

Diisopropyl ether

Concen: 9.74 ug/l

RT: 6.31 min Scan# 775

Delta R.T. -0.00 min

Lab File: VW003946.D

Acq: 16 Jul 2018 12:23

Tgt Ion: 45 Resp: 94203

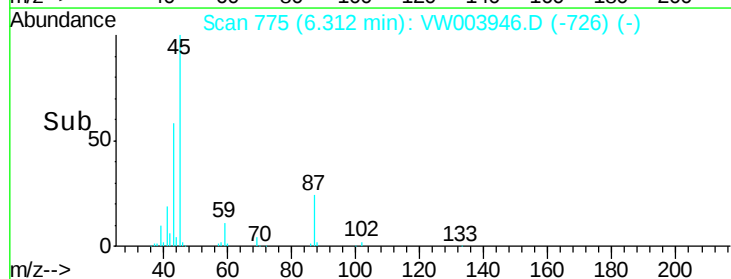
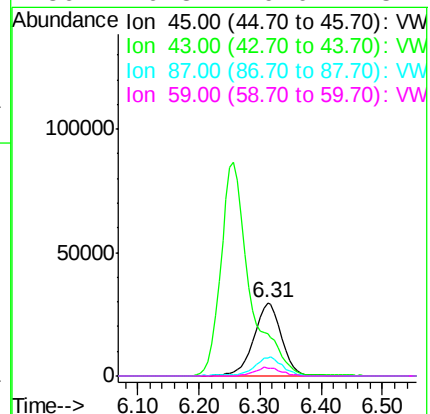
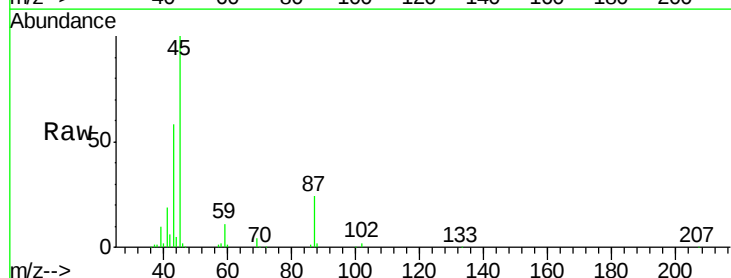
Ion Ratio Lower Upper

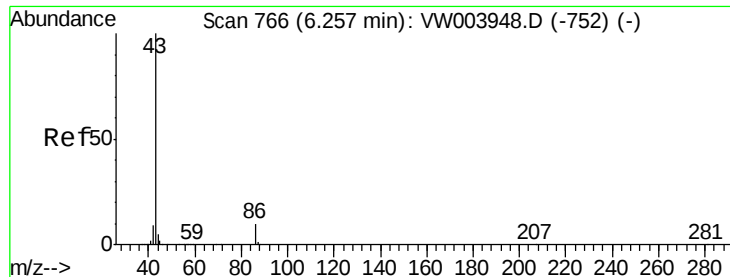
45 100

43 57.6 44.3 66.5

87 24.4 20.2 30.4

59 10.8 9.0 13.4





#23

Vinyl Acetate

Concen: 48.08 ug/l

RT: 6.26 min Scan# 766

Delta R.T. -0.00 min

Lab File: VW003946.D

Acq: 16 Jul 2018 12:23

Instrument :

MSVOA_W

ClientSampleId :

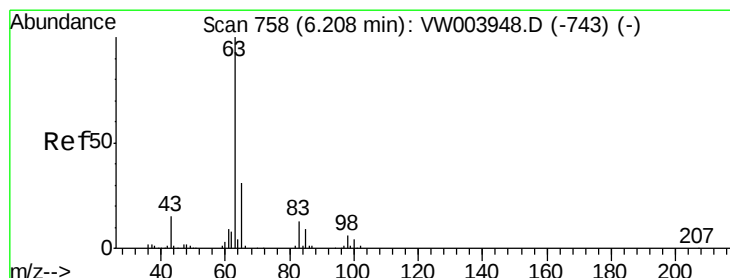
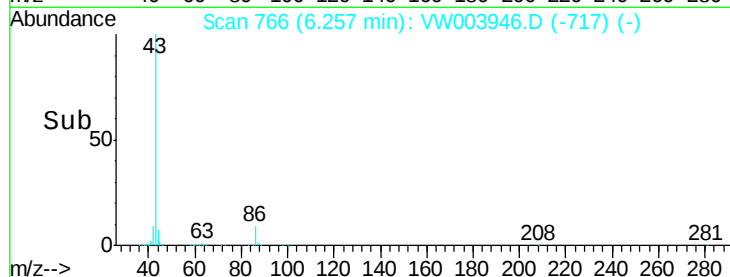
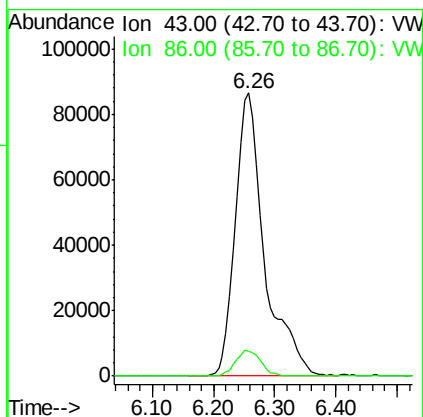
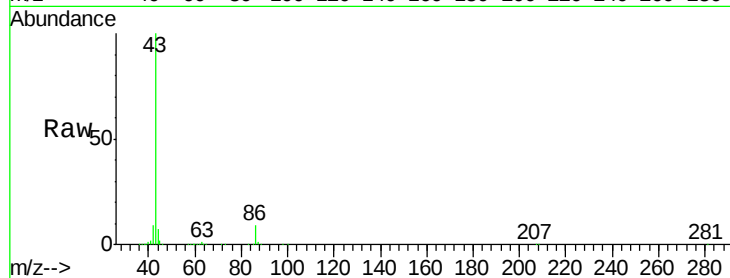
VSTDIC010

Tot Ion: 43 Resp: 284867

Ion Ratio Lower Upper

43 100

86 9.0 7.6 11.4



#24

1,1-Dichloroethane

Concen: 10.07 ug/l

RT: 6.21 min Scan# 758

Delta R.T. -0.00 min

Lab File: VW003946.D

Acq: 16 Jul 2018 12:23

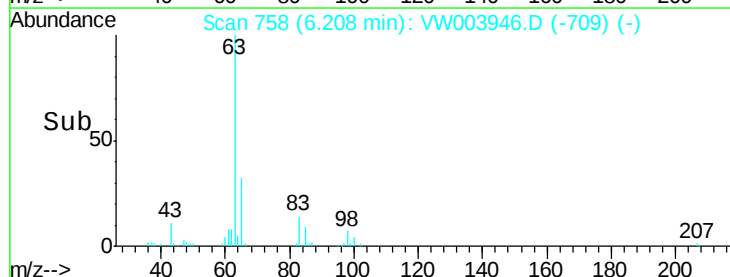
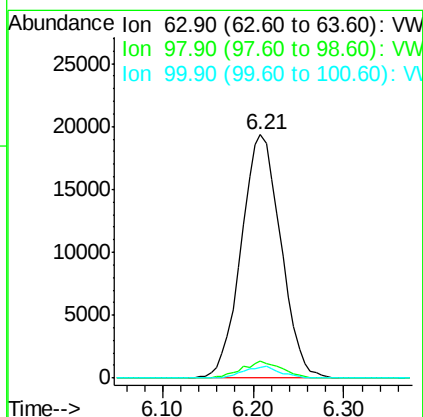
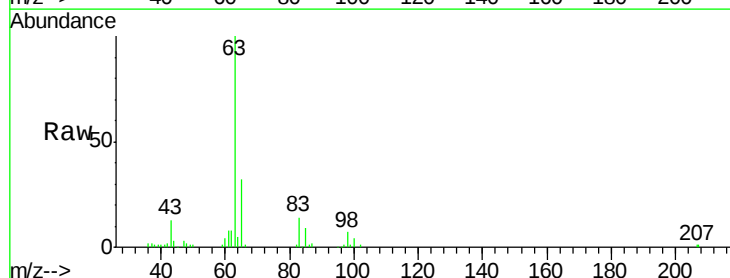
Tgt Ion: 63 Resp: 58349

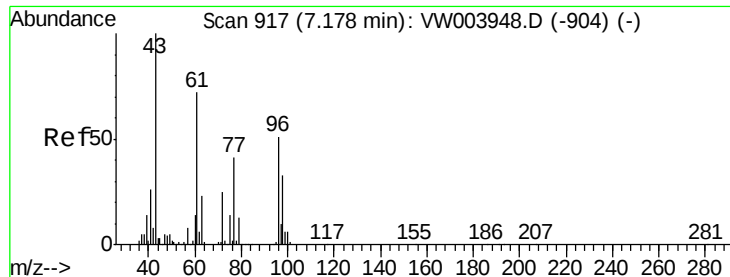
Ion Ratio Lower Upper

63 100

98 7.0 3.1 9.4

100 4.1 2.1 6.5

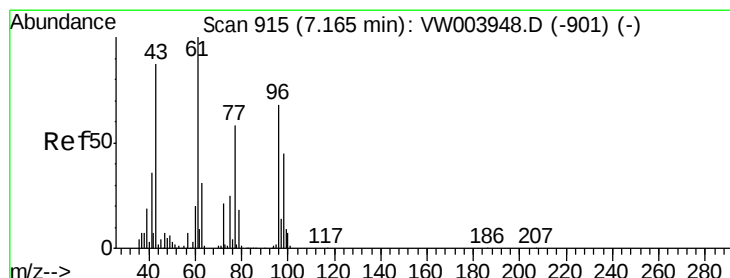
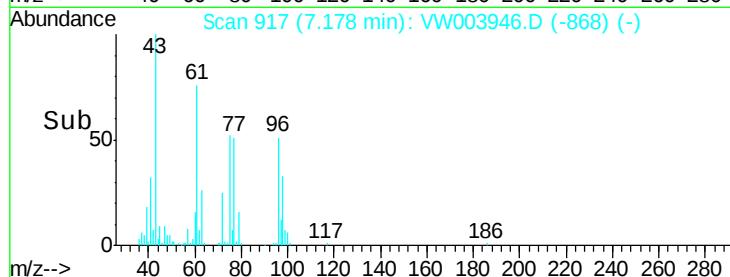
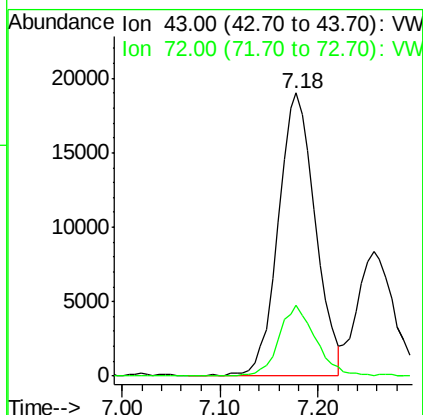
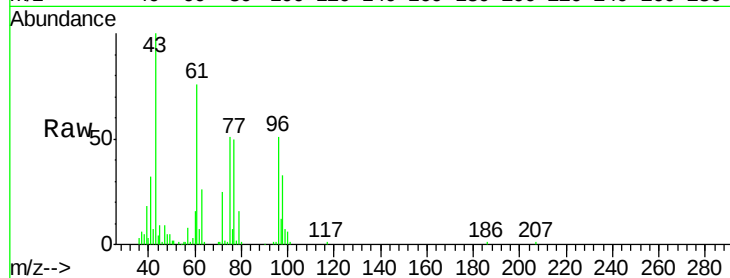




#25
2-Butanone
Concen: 51.19 ug/l
RT: 7.18 min Scan# 917
Delta R.T. -0.00 min
Lab File: VW003946.D
Acq: 16 Jul 2018 12:23

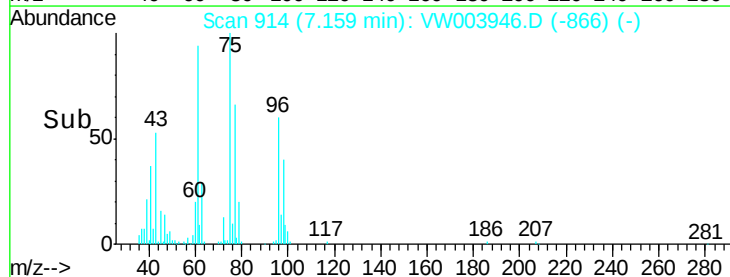
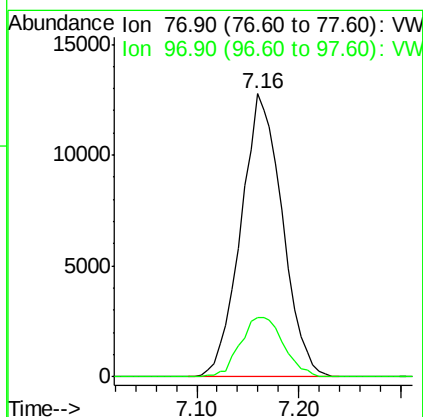
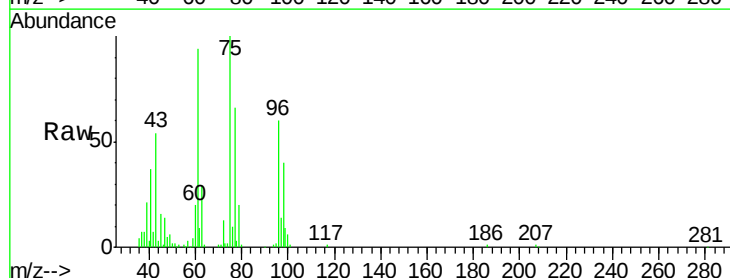
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

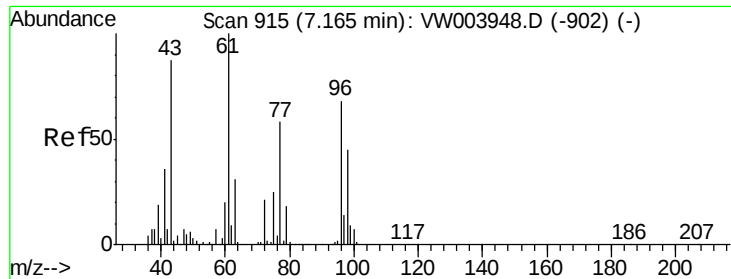
Tot Ion: 43 Resp: 50297
Ion Ratio Lower Upper
43 100
72 25.2 19.8 29.6



#26
2,2-Dichloropropane
Concen: 10.96 ug/l
RT: 7.16 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW003946.D
Acq: 16 Jul 2018 12:23

Tgt Ion: 77 Resp: 36015
Ion Ratio Lower Upper
77 100
97 22.0 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 9.98 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW003946.D

Acq: 16 Jul 2018 12:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

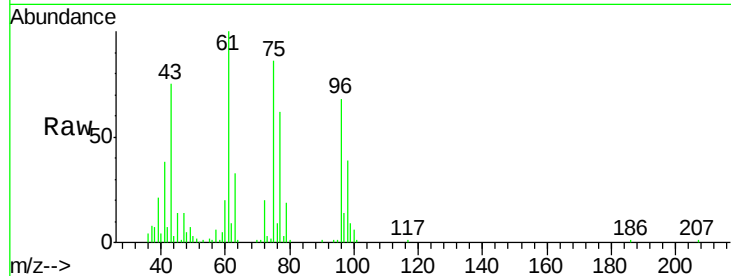
Tot Ion: 96 Resp: 33313

Ion Ratio Lower Upper

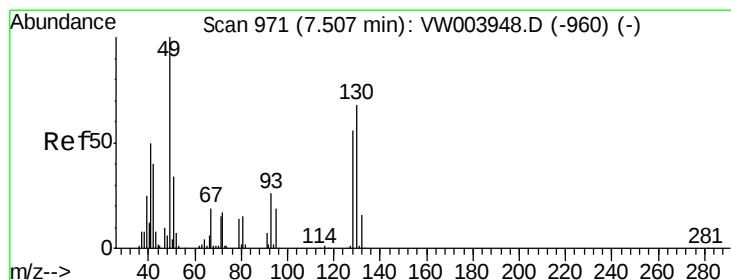
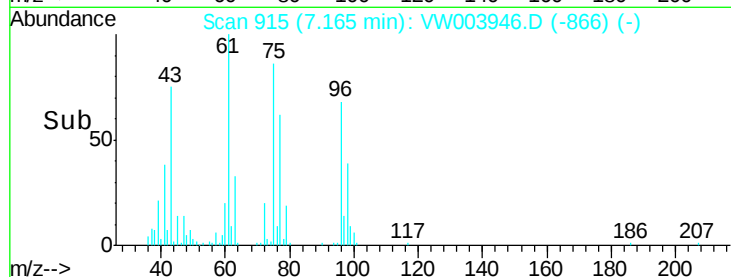
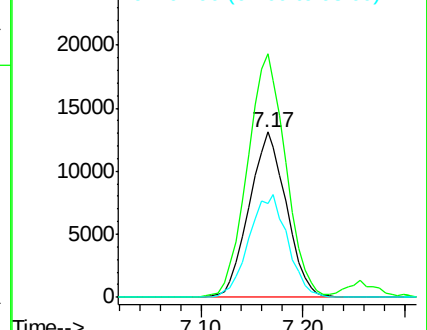
96 100

61 150.6 0.0 298.6

98 64.2 0.0 130.4



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane

Concen: 9.80 ug/l

RT: 7.51 min Scan# 972

Delta R.T. 0.01 min

Lab File: VW003946.D

Acq: 16 Jul 2018 12:23

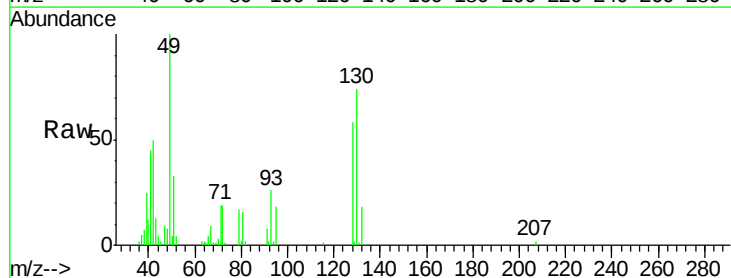
Tgt Ion: 49 Resp: 24663

Ion Ratio Lower Upper

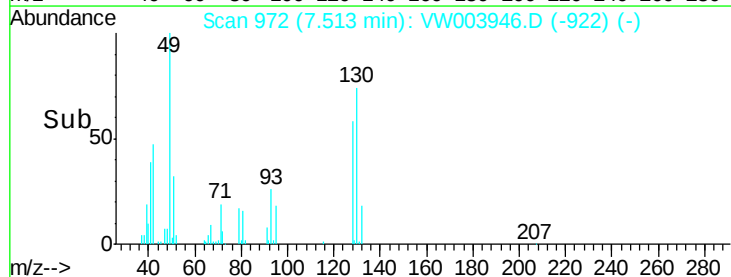
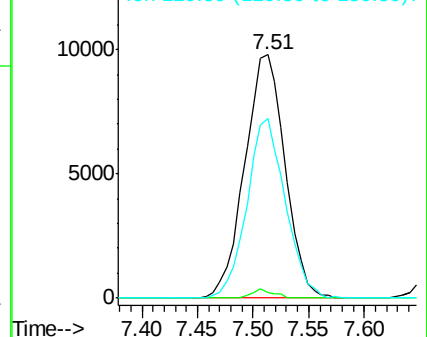
49 100

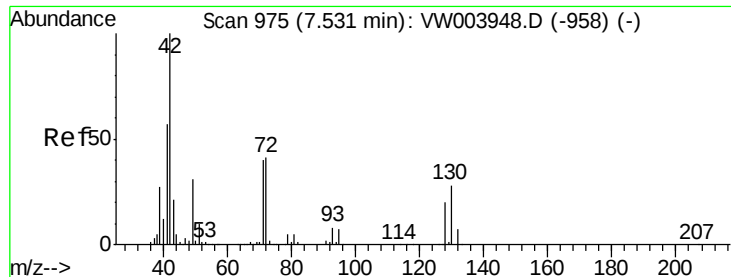
129 1.8 0.0 2.2

130 70.1 58.3 87.5



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): VW
Ion 129.80 (129.50 to 130.50): VW

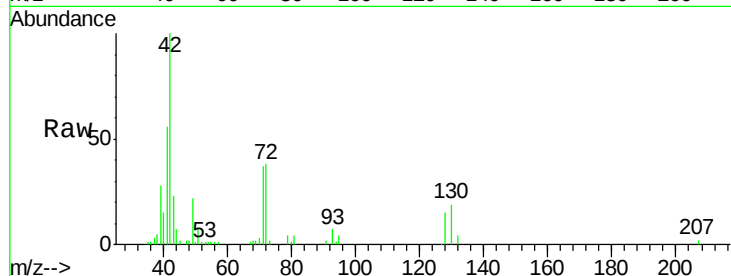




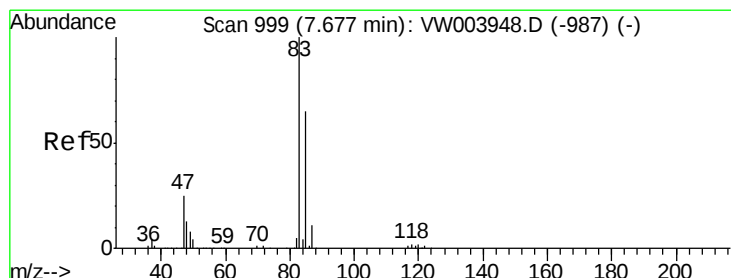
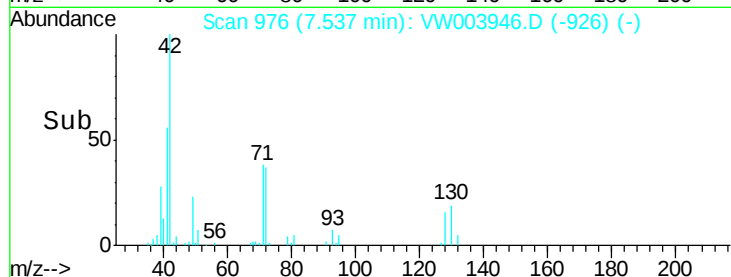
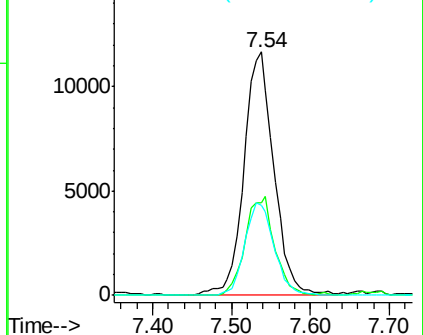
#29
Tetrahydrofuran
Concen: 49.86 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW003946.D
Acq: 16 Jul 2018 12:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.4	32.6	48.8
71	36.9	30.5	45.7

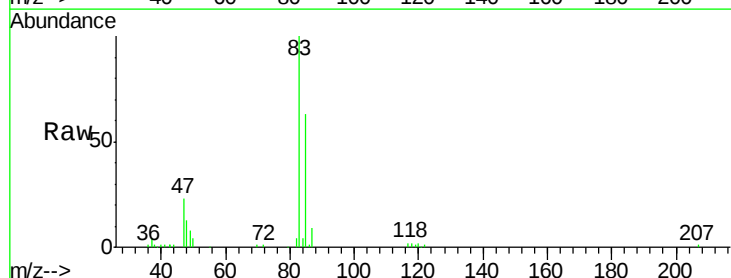


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

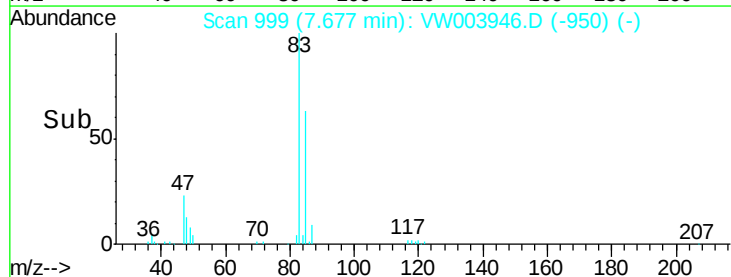
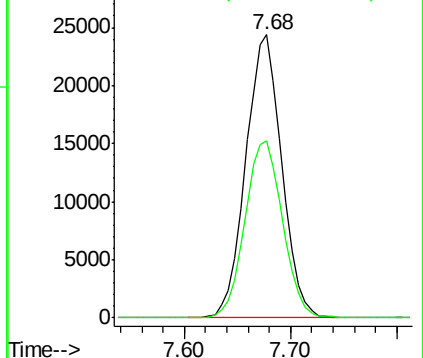


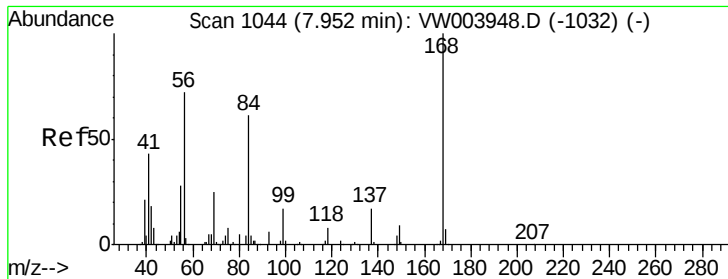
#30
Chloroform
Concen: 9.92 ug/l
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW003946.D
Acq: 16 Jul 2018 12:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.2	78.4



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 10.73 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003946.D

Acq: 16 Jul 2018 12:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

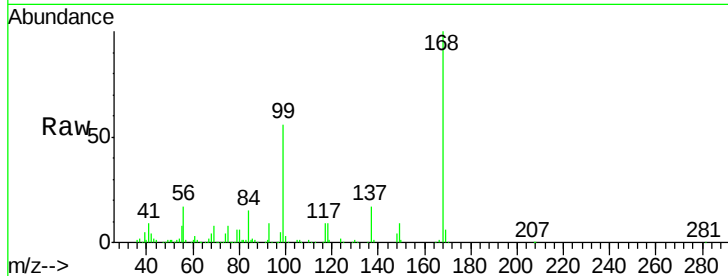
Tot Ion: 56 Resp: 57367

Ion Ratio Lower Upper

56 100

69 45.9 27.8 41.8#

84 86.7 67.2 100.8

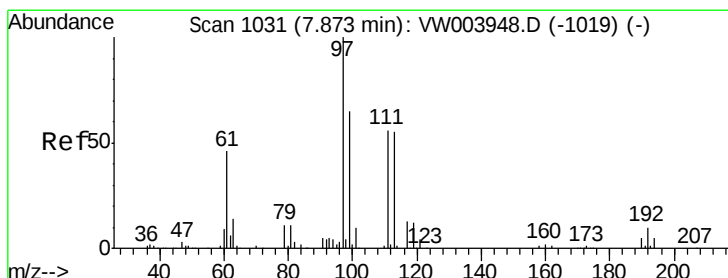
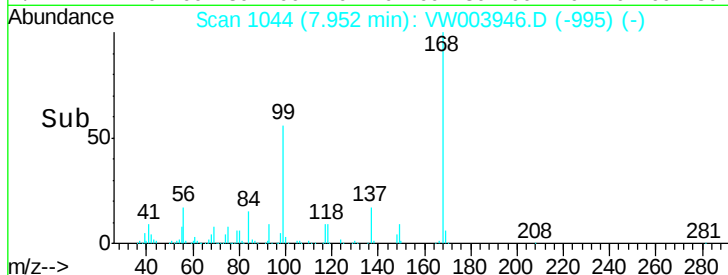
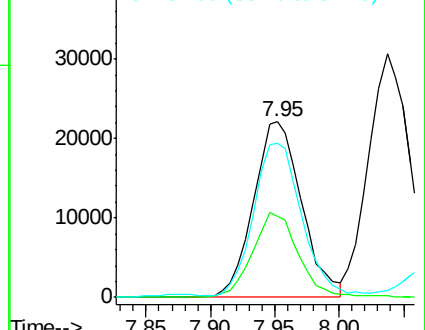


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 10.20 ug/l

RT: 7.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VW003946.D

Acq: 16 Jul 2018 12:23

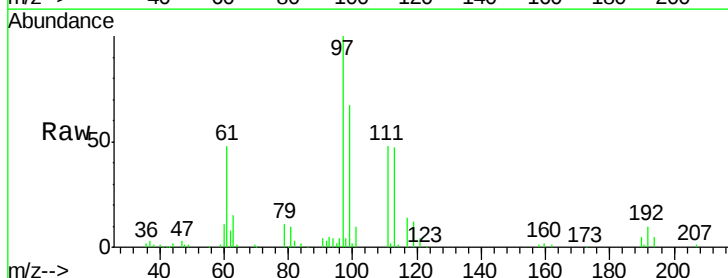
Tgt Ion: 97 Resp: 46116

Ion Ratio Lower Upper

97 100

99 63.8 51.3 76.9

61 45.6 36.8 55.2

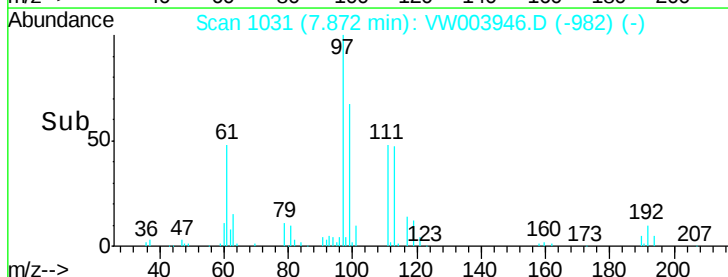
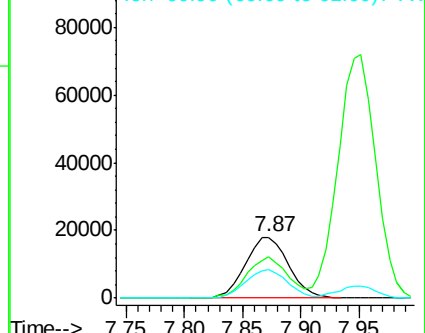


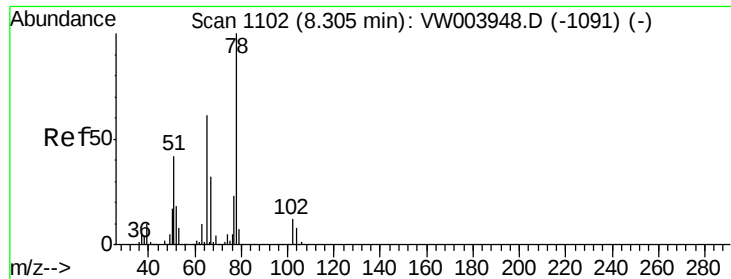
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW

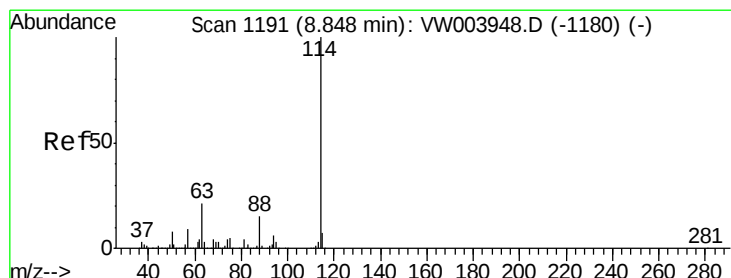
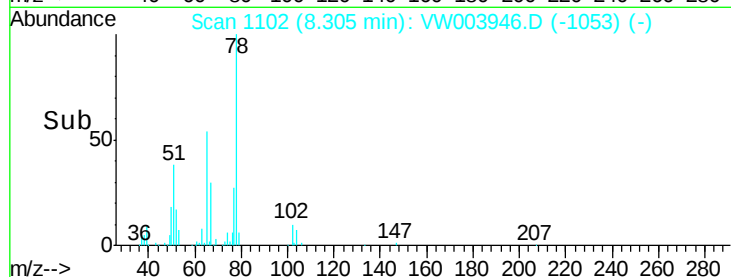
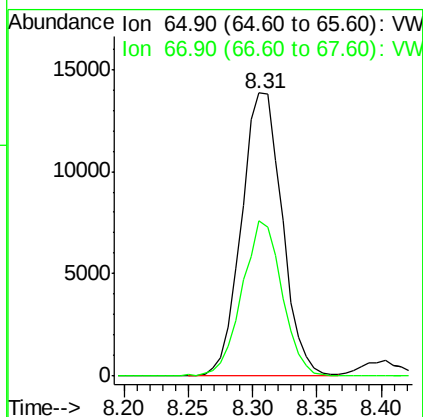
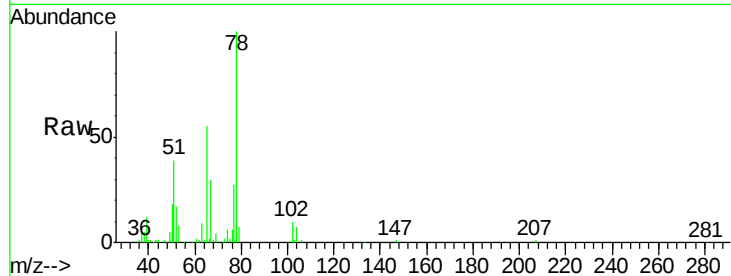




#33
 1,2-Dichloroethane-d4
 Concen: 9.10 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW003946.D
 Acq: 16 Jul 2018 12:23

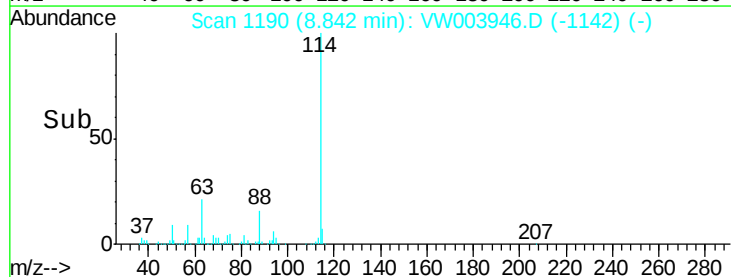
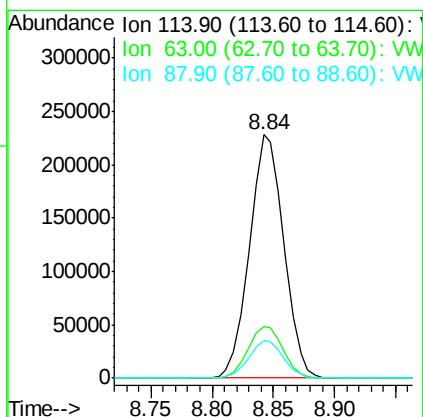
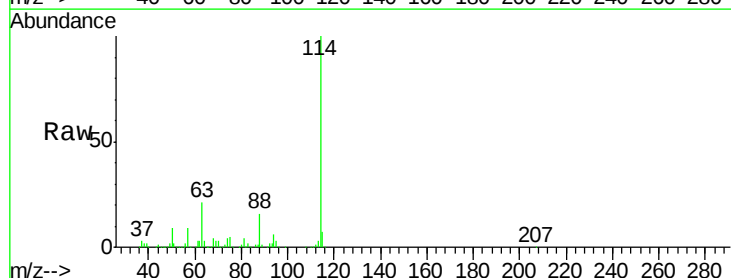
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

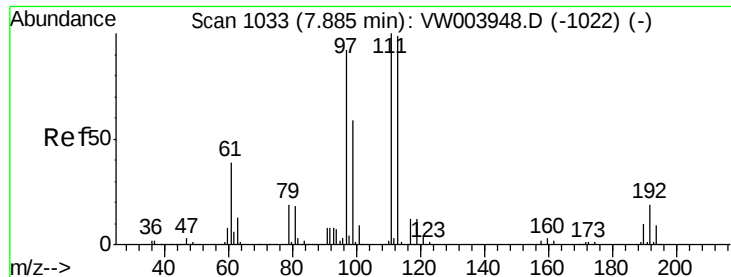
Tot Ion: 65 Resp: 30324
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VW003946.D
 Acq: 16 Jul 2018 12:23

Tgt Ion: 114 Resp: 445570
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.8
 88 15.6 0.0 30.4

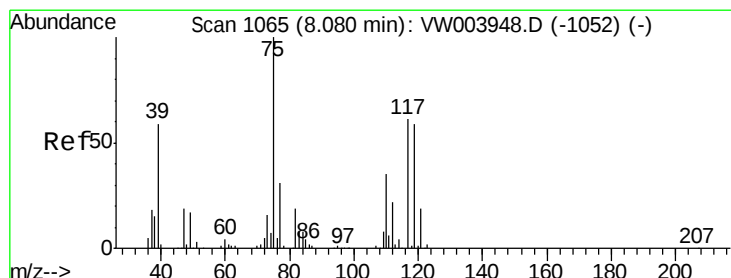
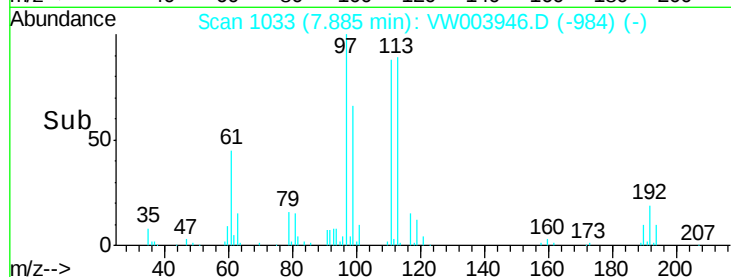
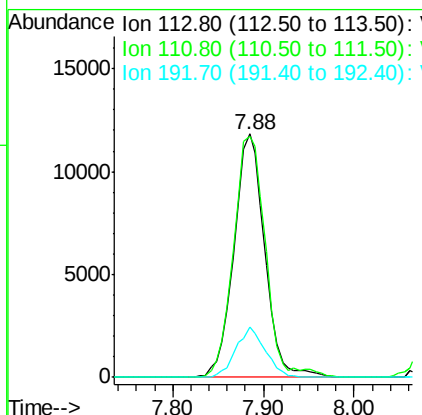
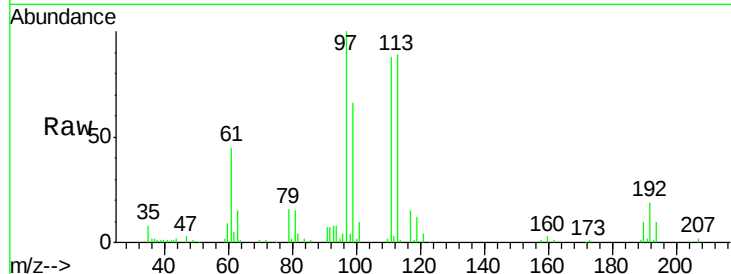




#35
 Dibromofluoromethane
 Concen: 9.45 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003946.D
 Acq: 16 Jul 2018 12:23

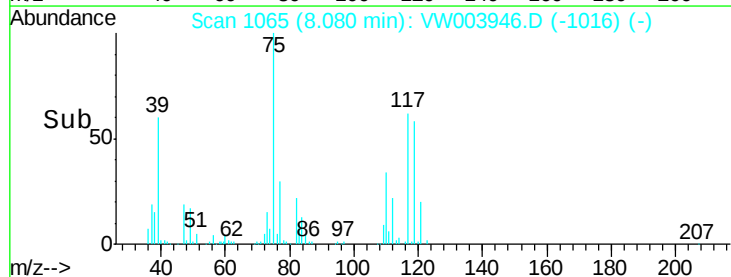
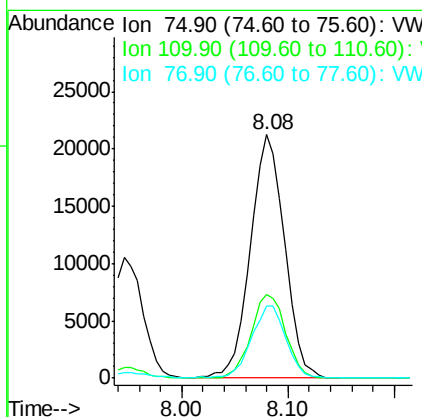
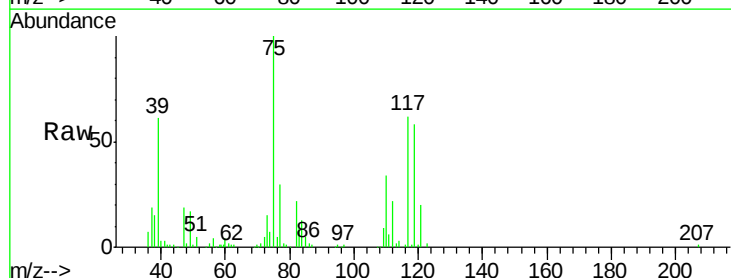
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

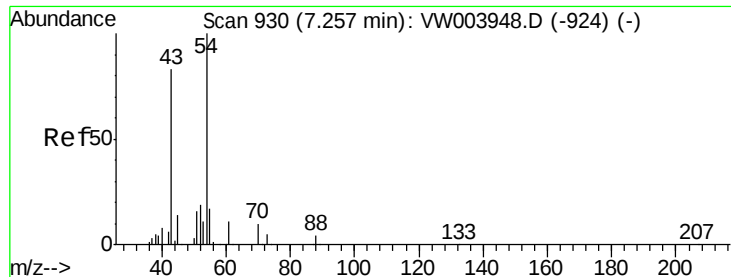
Tot Ion:113 Resp: 27801
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.3 121.9
 192 19.7 15.8 23.6



#36
 1,1-Dichloropropene
 Concen: 10.30 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW003946.D
 Acq: 16 Jul 2018 12:23

Tgt Ion: 75 Resp: 47863
 Ion Ratio Lower Upper
 75 100
 110 34.6 17.0 51.0
 77 30.2 24.9 37.3

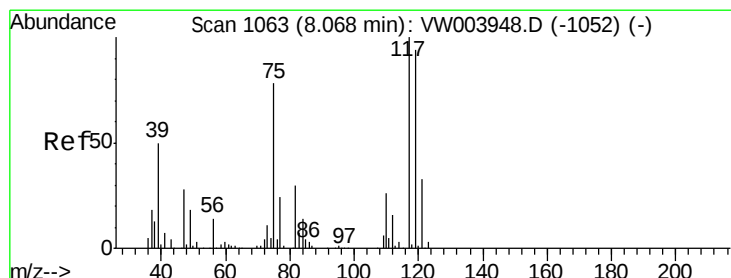
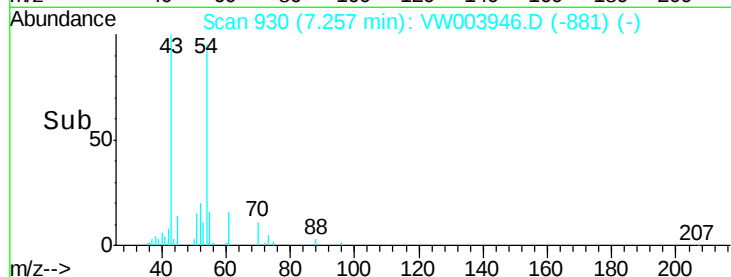
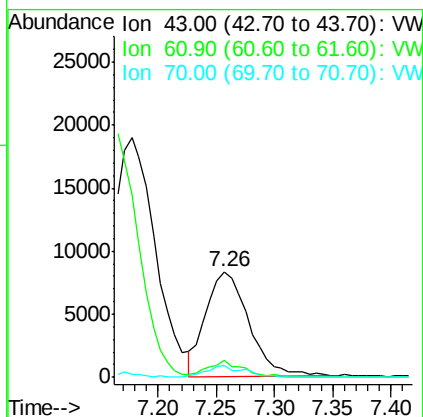
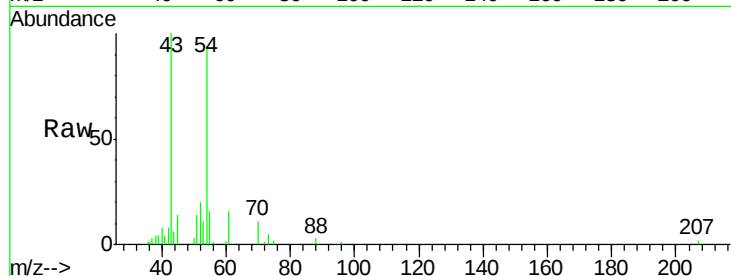




#37
Ethyl Acetate
Concen: 9.79 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.00 min
Lab File: VW003946.D
Acq: 16 Jul 2018 12:23

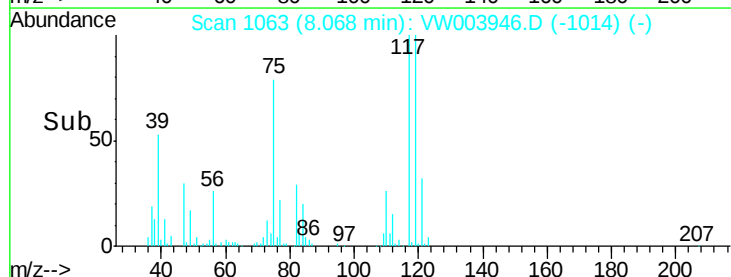
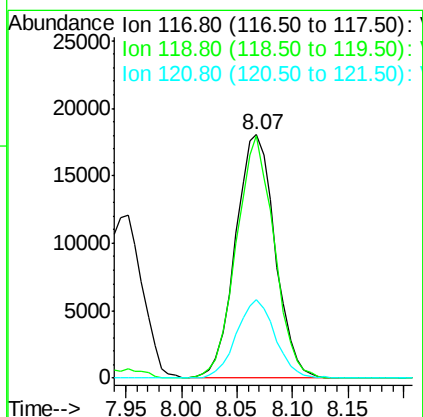
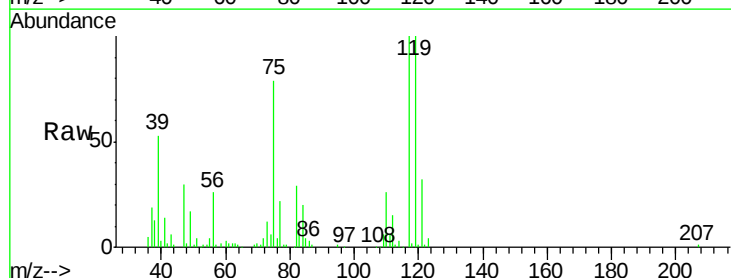
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

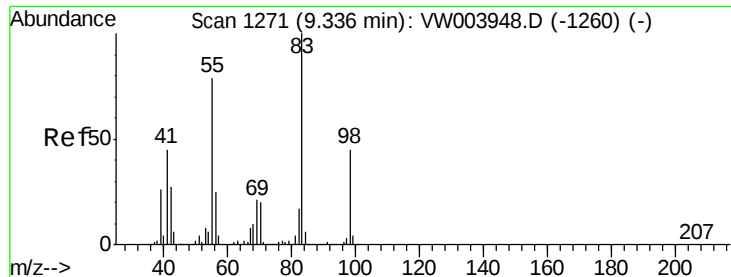
Tot Ion: 43 Resp: 21104
Ion Ratio Lower Upper
43 100
61 13.6 10.7 16.1
70 10.0 7.7 11.5



#38
Carbon Tetrachloride
Concen: 10.23 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW003946.D
Acq: 16 Jul 2018 12:23

Tgt Ion: 117 Resp: 44493
Ion Ratio Lower Upper
117 100
119 99.6 75.3 112.9
121 32.5 26.0 39.0

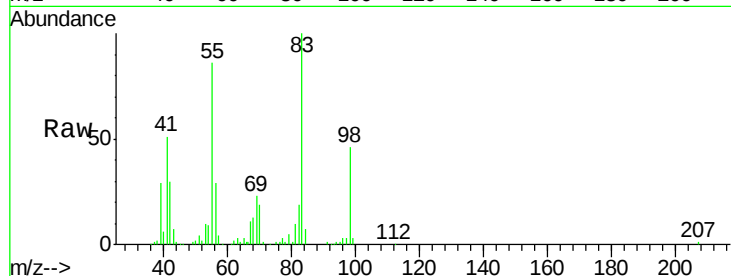




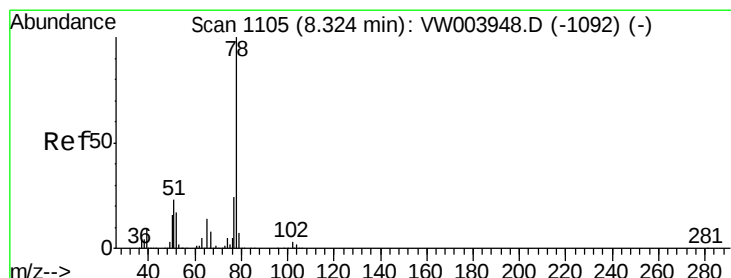
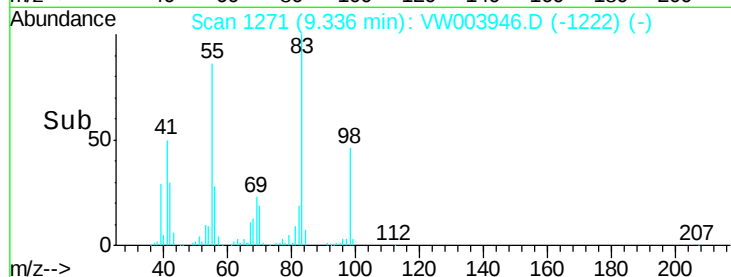
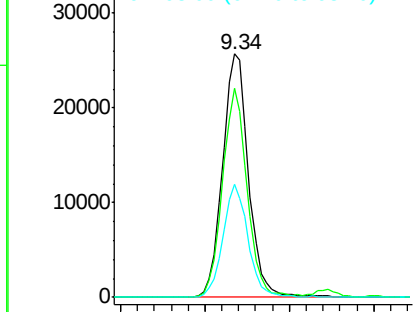
#39
Methvlcvclohexane
Concen: 10.28 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW003946.D
Acq: 16 Jul 2018 12:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 83 Resp: 54341
Ion Ratio Lower Upper
83 100
55 85.6 62.8 94.2
98 46.2 36.2 54.4

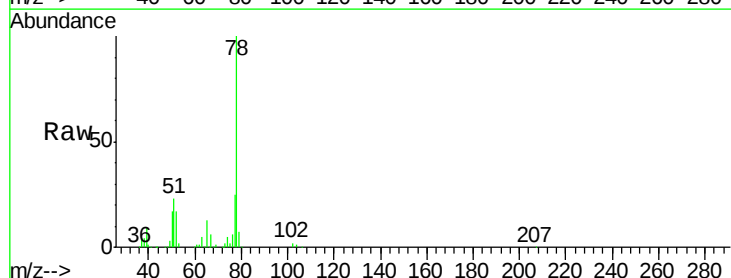


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

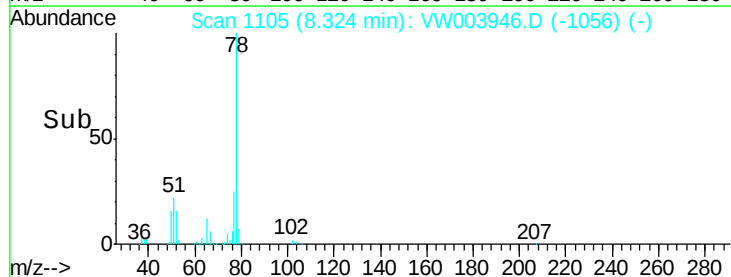
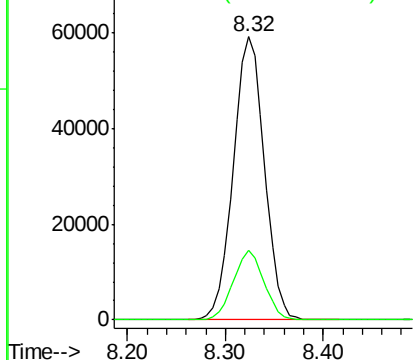


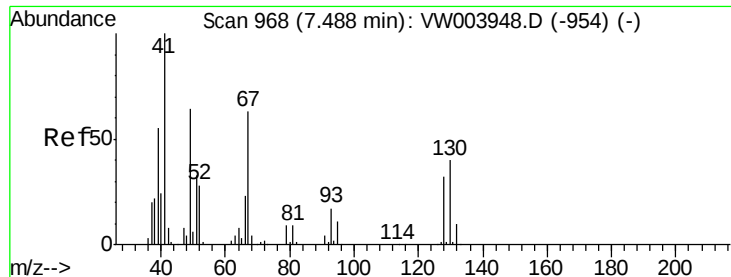
#40
Benzene
Concen: 10.05 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW003946.D
Acq: 16 Jul 2018 12:23

Tgt Ion: 78 Resp: 130507
Ion Ratio Lower Upper
78 100
77 24.6 19.5 29.3



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW





#41

Methacrylonitrile

Concen: 10.03 ug/l

RT: 7.49 min Scan# 968

Delta R.T. -0.00 min

Lab File: VW003946.D

Acq: 16 Jul 2018 12:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 41 Resp: 12428

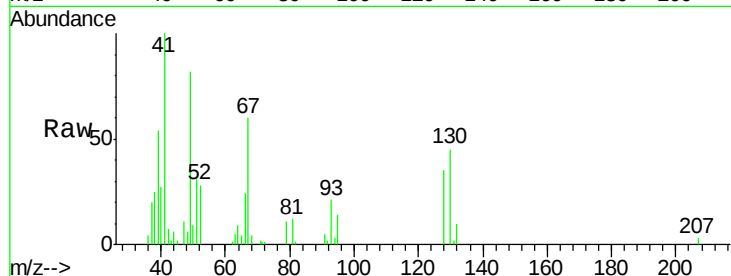
Ion Ratio Lower Upper

41 100

39 56.8 50.0 75.0

67 65.4 60.8 91.2

52 30.4 26.2 39.4

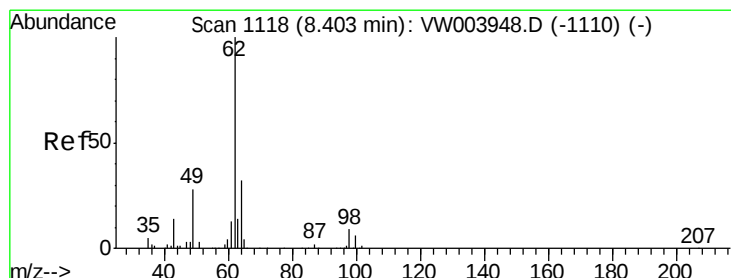
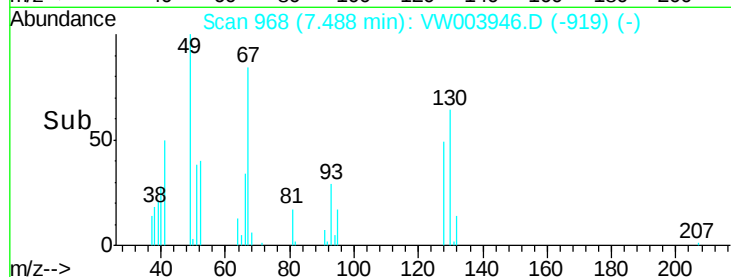
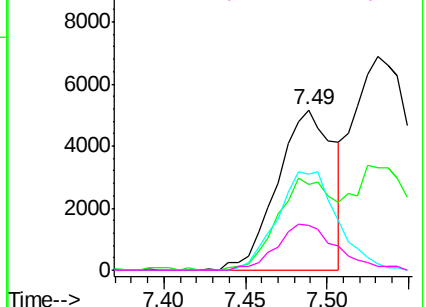


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 9.98 ug/l

RT: 8.40 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VW003946.D

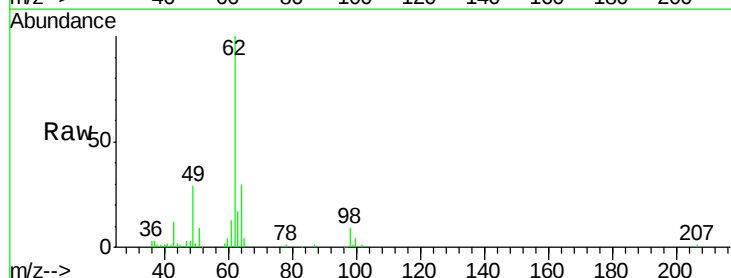
Acq: 16 Jul 2018 12:23

Tgt Ion: 62 Resp: 39942

Ion Ratio Lower Upper

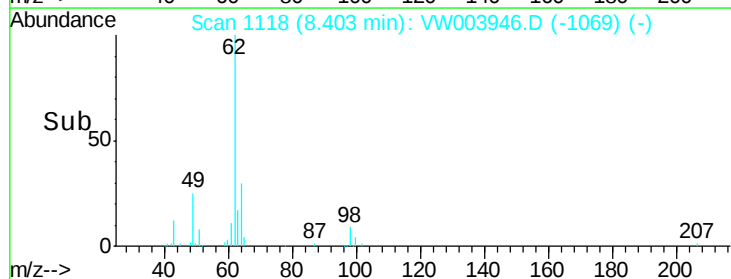
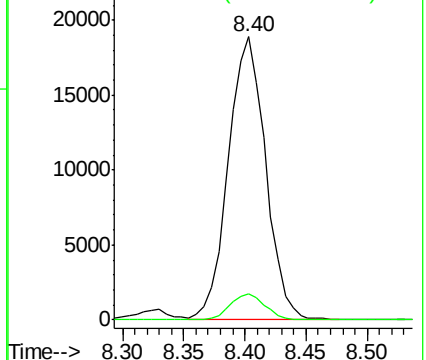
62 100

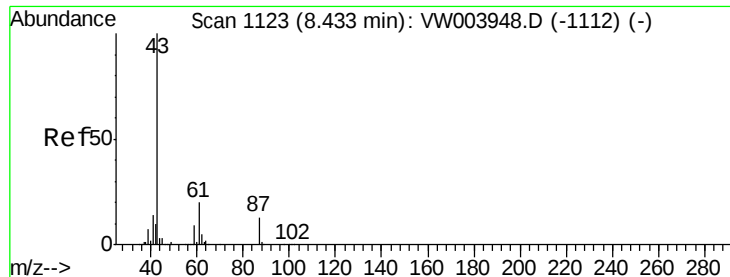
98 8.5 0.0 17.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 9.60 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW003946.D

Acq: 16 Jul 2018 12:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

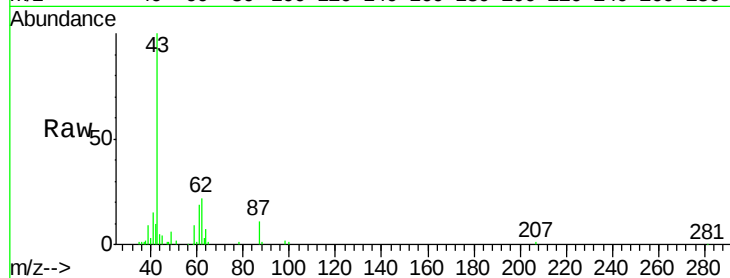
Tot Ion: 43 Resp: 39015

Ion Ratio Lower Upper

43 100

61 29.8 23.0 34.6

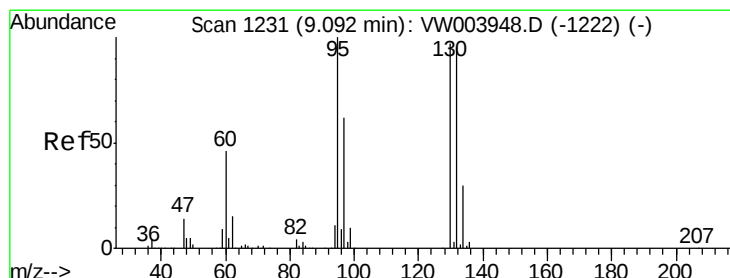
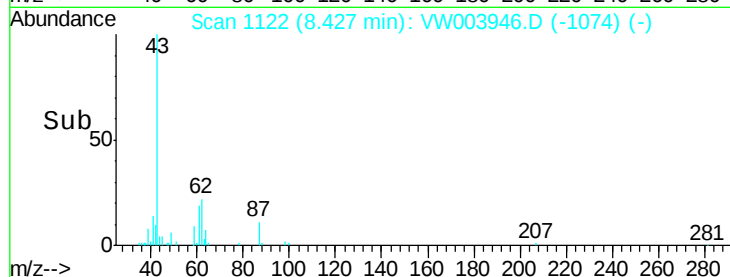
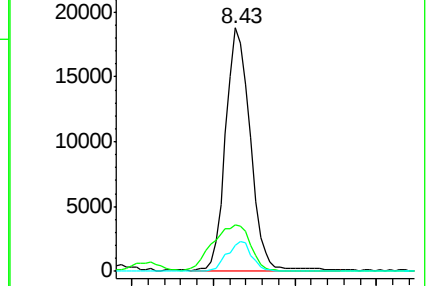
87 12.3 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 10.32 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VW003946.D

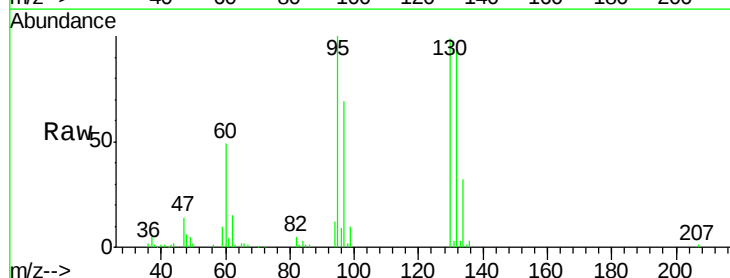
Acq: 16 Jul 2018 12:23

Tgt Ion: 130 Resp: 34204

Ion Ratio Lower Upper

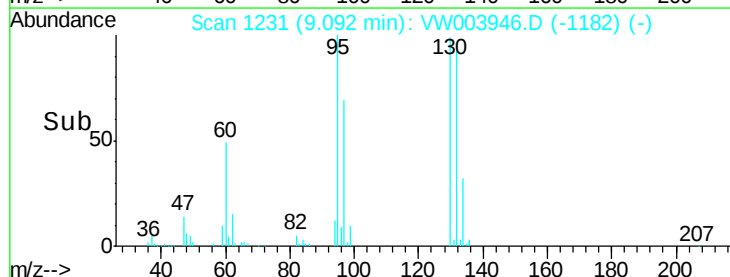
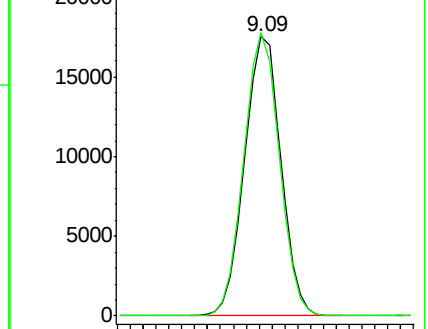
130 100

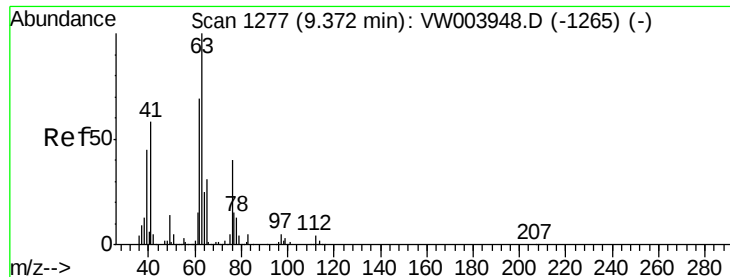
95 101.3 0.0 206.8



Abundance Ion 129.80 (129.50 to 130.50):

Ion 94.90 (94.60 to 95.60): VW

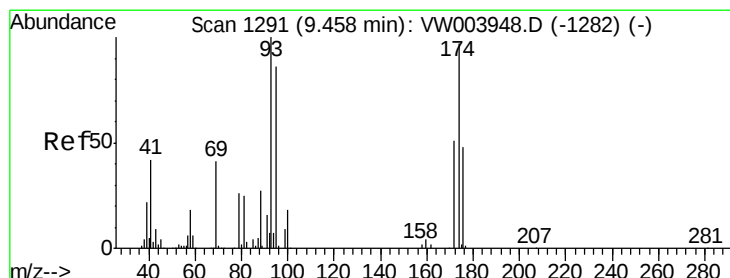
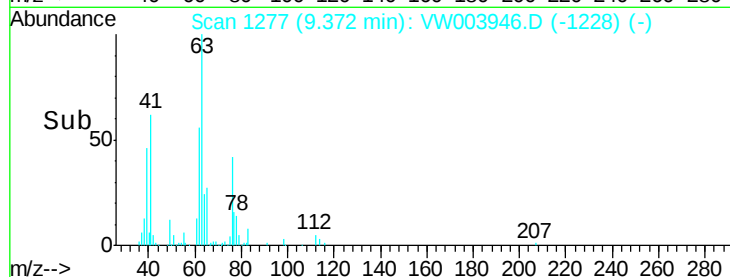
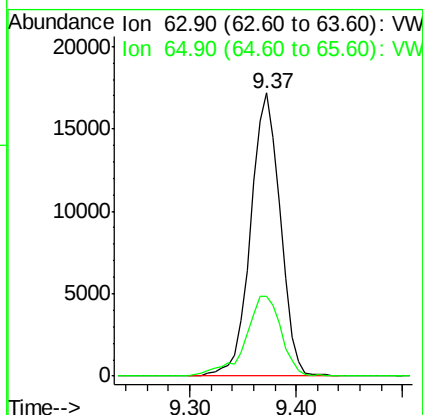
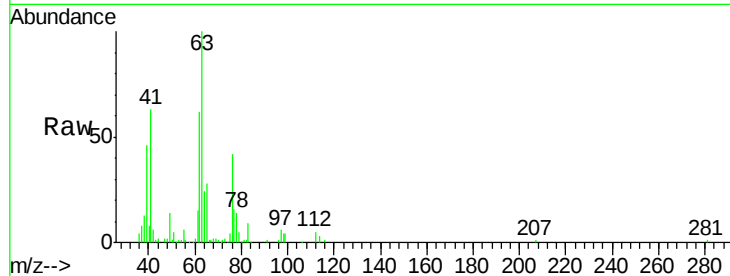




#45
 1,2-Dichloropropane
 Concen: 10.07 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW003946.D
 Acq: 16 Jul 2018 12:23

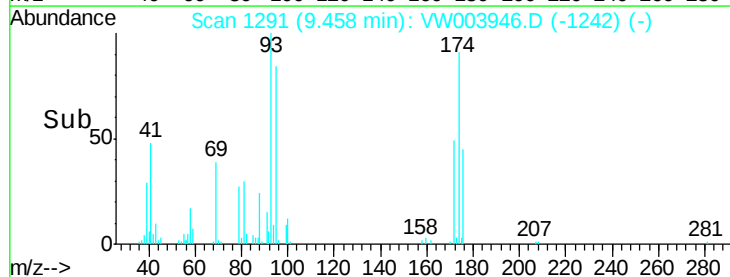
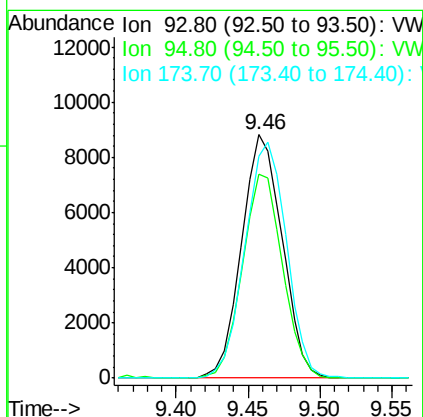
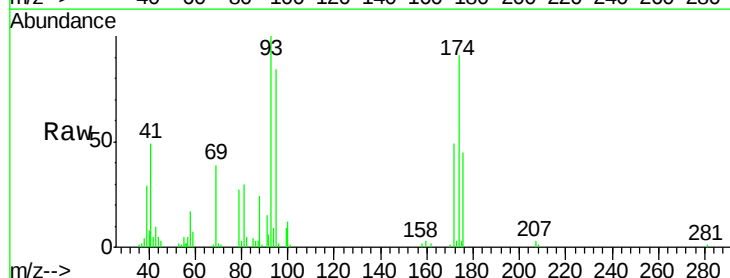
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

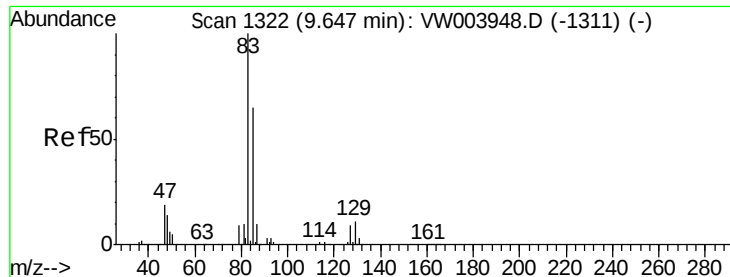
Tot Ion: 63 Resp: 33545
 Ion Ratio Lower Upper
 63 100
 65 28.3 24.8 37.2



#46
 Dibromomethane
 Concen: 10.06 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VW003946.D
 Acq: 16 Jul 2018 12:23

Tgt Ion: 93 Resp: 17206
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.9 100.3
 174 99.3 80.2 120.2





#47

Bromodichloromethane

Concen: 9.83 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW003946.D

Acq: 16 Jul 2018 12:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

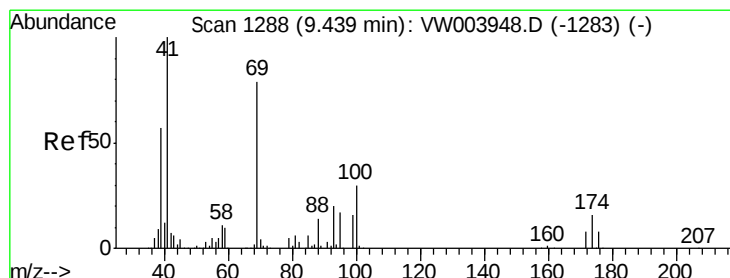
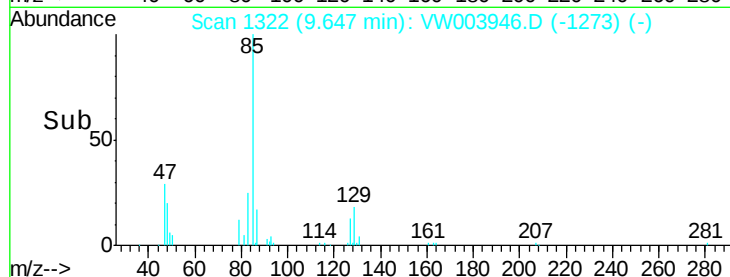
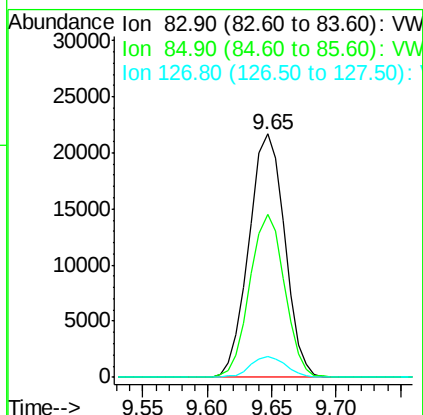
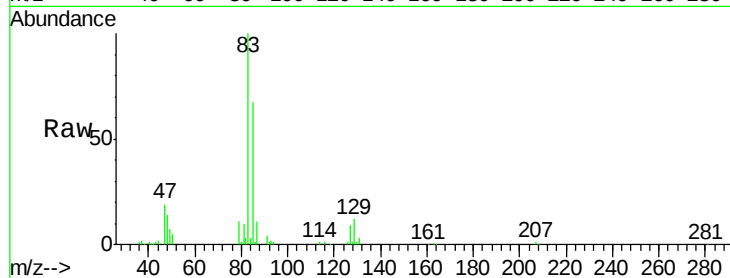
Tot Ion: 83 Resp: 41780

Ion Ratio Lower Upper

83 100

85 66.7 52.2 78.2

127 8.8 7.0 10.4



#48

Methyl methacrylate

Concen: 9.18 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VW003946.D

Acq: 16 Jul 2018 12:23

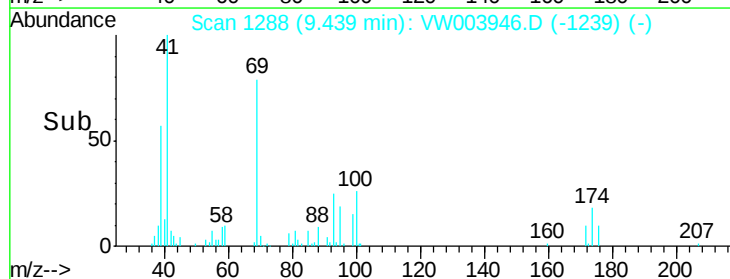
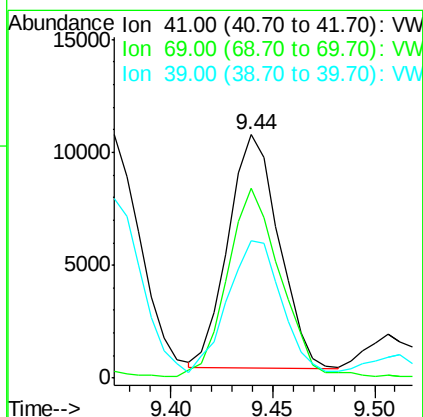
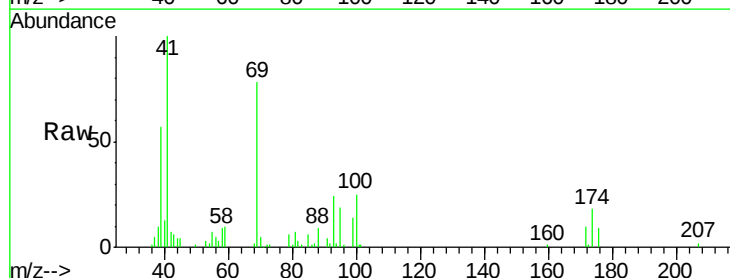
Tgt Ion: 41 Resp: 17868

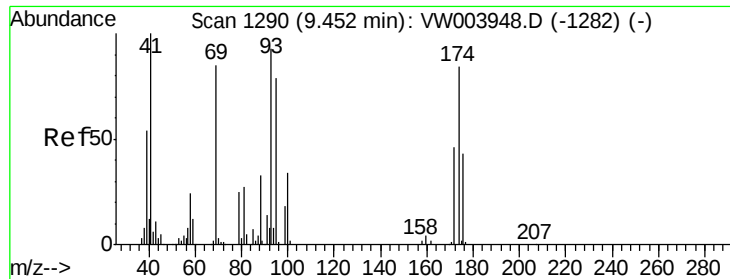
Ion Ratio Lower Upper

41 100

69 85.0 67.0 100.6

39 63.9 48.8 73.2

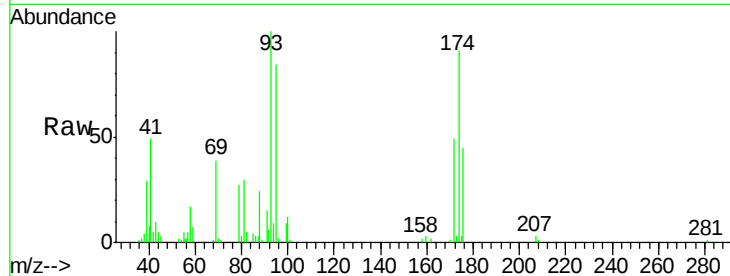




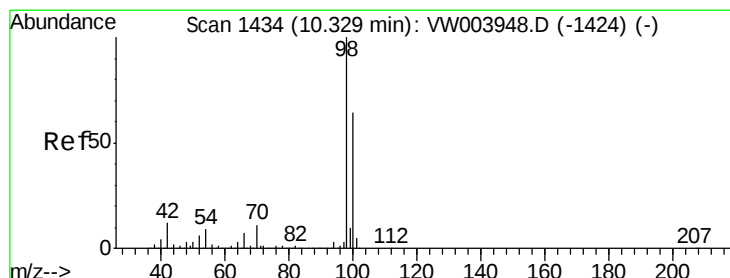
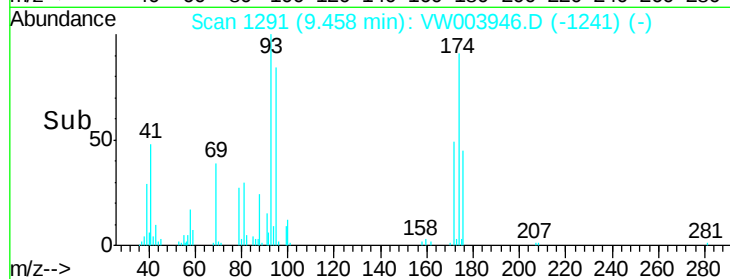
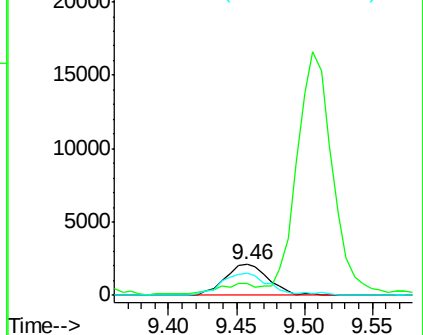
#49
1,4-Dioxane
Concen: 180.61 ug/l
RT: 9.46 min Scan# 1291
Delta R.T. 0.01 min
Lab File: VW003946.D
Acq: 16 Jul 2018 12:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 88 Resp: 4699
Ion Ratio Lower Upper
88 100
43 28.8 27.3 40.9
58 73.7 61.1 91.7

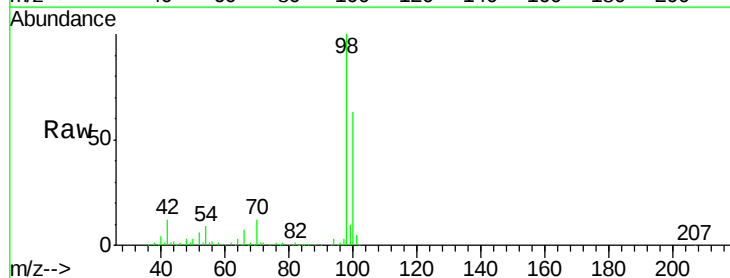


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

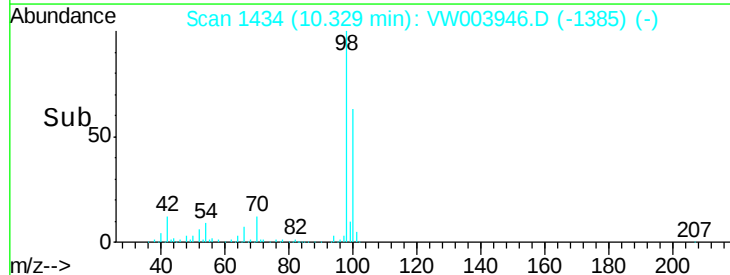
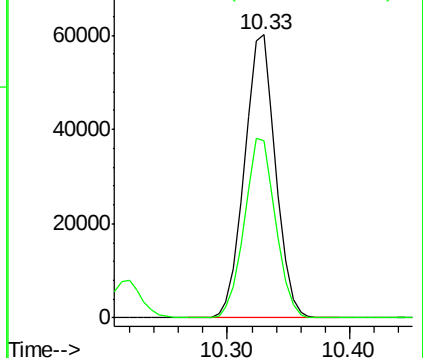


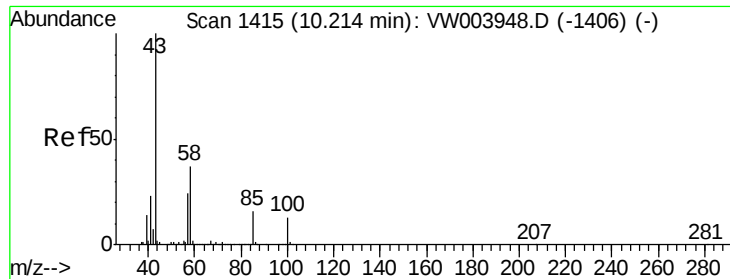
#50
Toluene-d8
Concen: 9.25 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW003946.D
Acq: 16 Jul 2018 12:23

Tgt Ion: 98 Resp: 106022
Ion Ratio Lower Upper
98 100
100 63.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 47.78 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW003946.D

Acq: 16 Jul 2018 12:23

Instrument :

MSVOA_W

ClientSampleId :

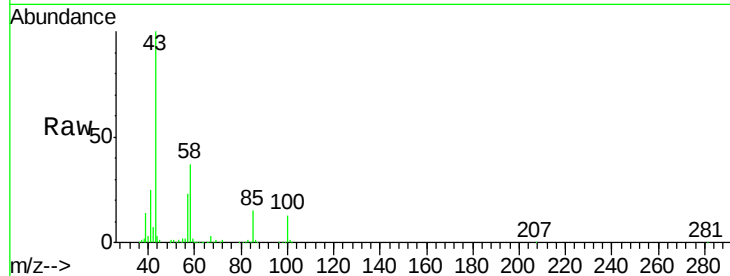
VSTDIC010

Tot Ion: 43 Resp: 103238

Ion Ratio Lower Upper

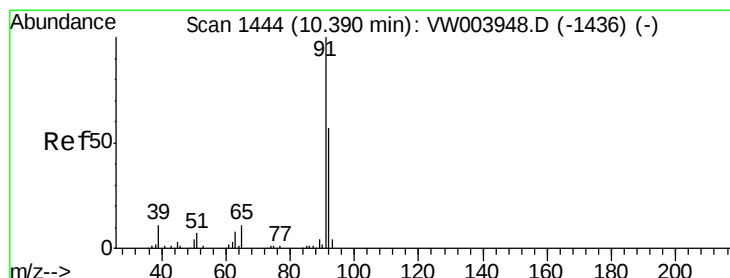
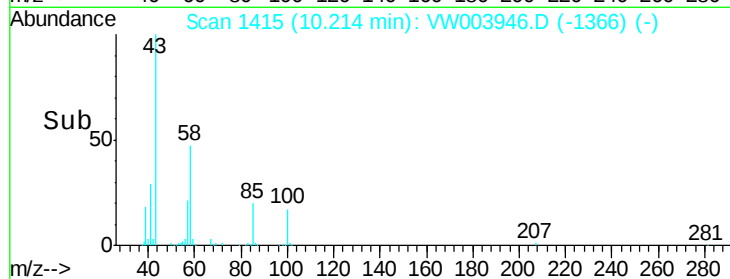
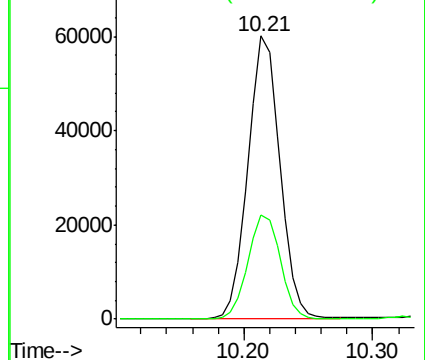
43 100

58 37.3 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 10.01 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW003946.D

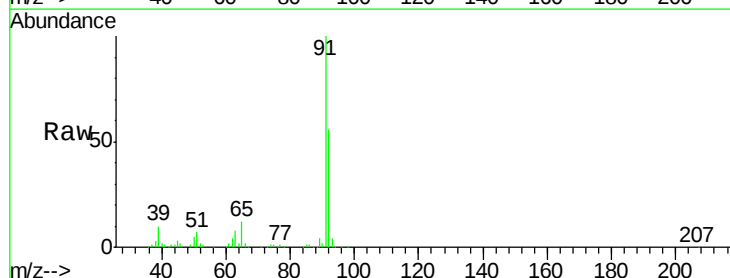
Acq: 16 Jul 2018 12:23

Tgt Ion: 92 Resp: 80908

Ion Ratio Lower Upper

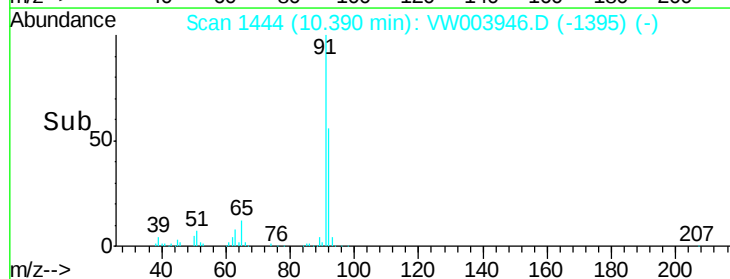
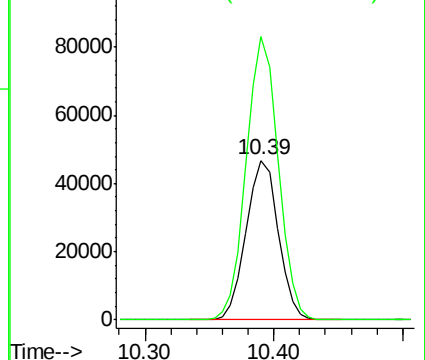
92 100

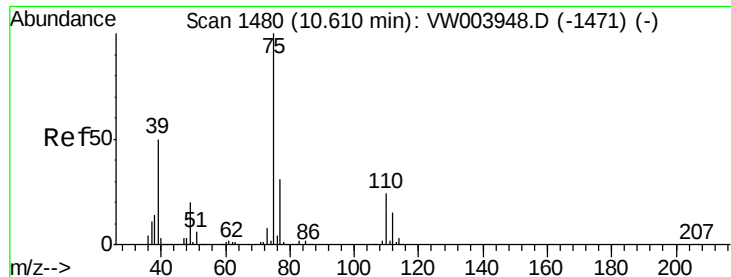
91 175.7 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 9.76 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW003946.D

Acq: 16 Jul 2018 12:23

Instrument :

MSVOA_W

ClientSampled :

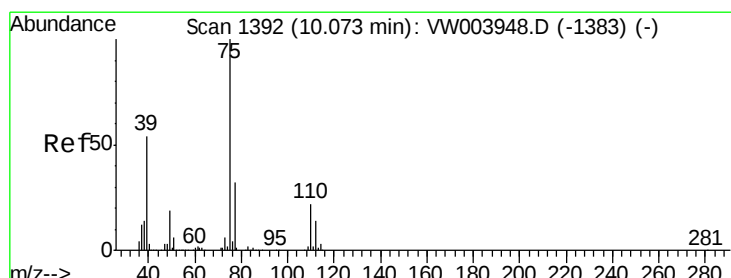
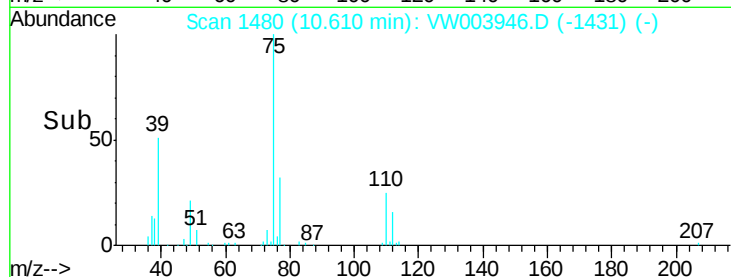
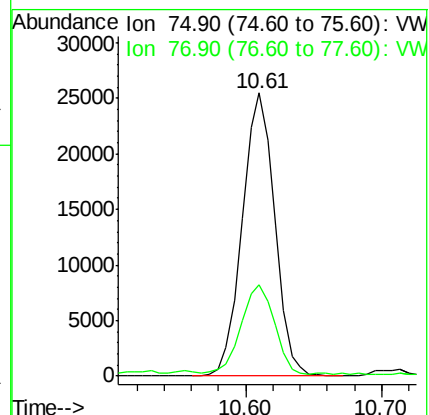
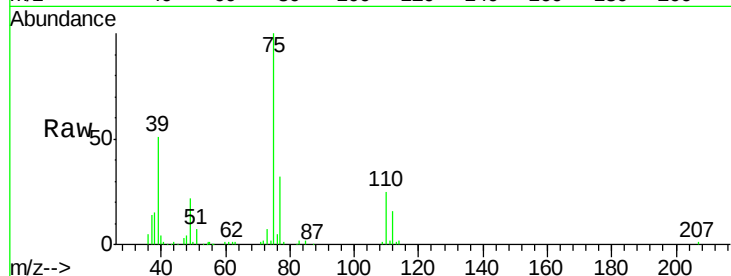
VSTDIC010

Tot Ion: 75 Resp: 42510

Ion Ratio Lower Upper

75 100

77 31.4 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 9.78 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW003946.D

Acq: 16 Jul 2018 12:23

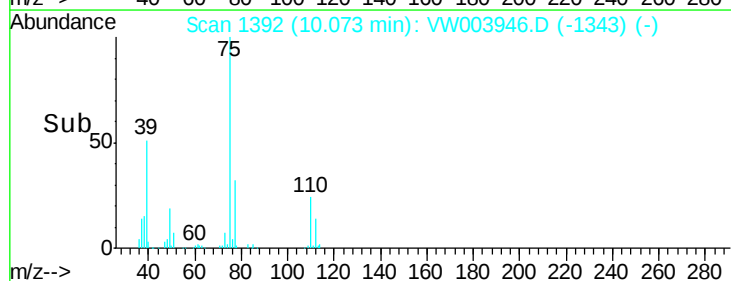
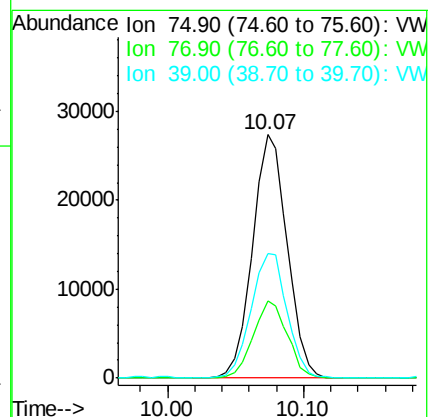
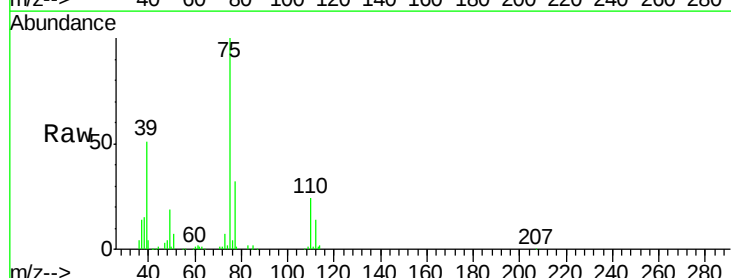
Tgt Ion: 75 Resp: 48735

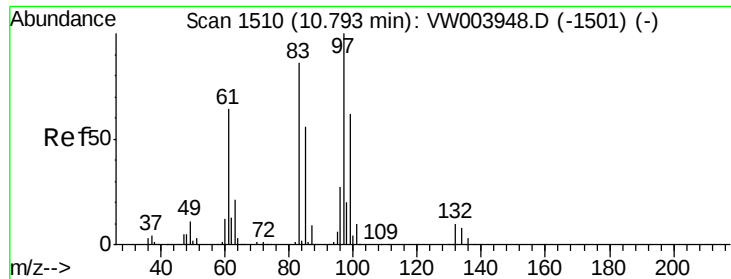
Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2

39 51.1 43.0 64.6

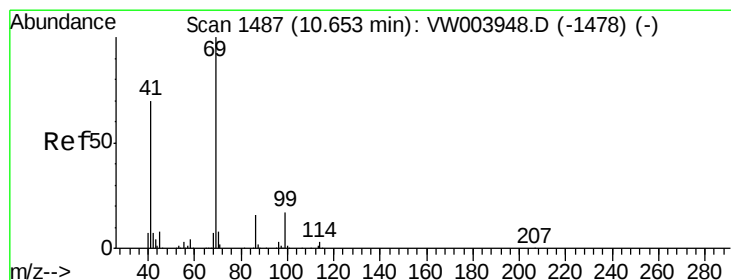
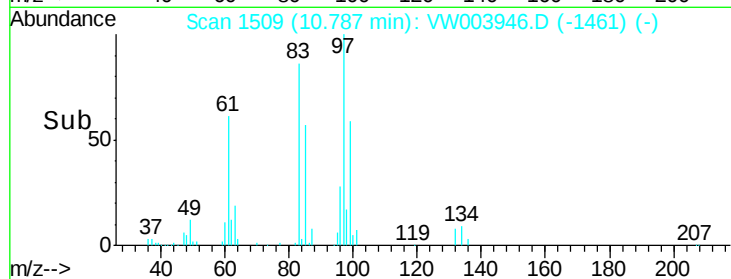
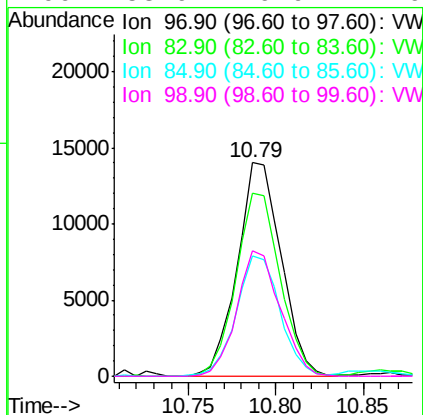
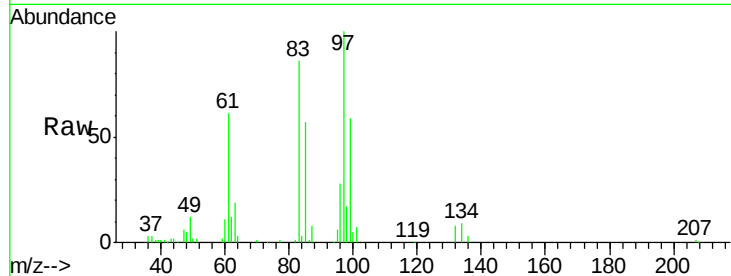




#55
 1,1,2-Trichloroethane
 Concen: 10.12 ug/l
 RT: 10.79 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VW003946.D
 Acq: 16 Jul 2018 12:23

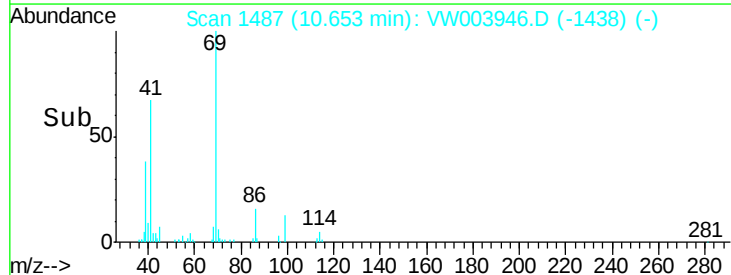
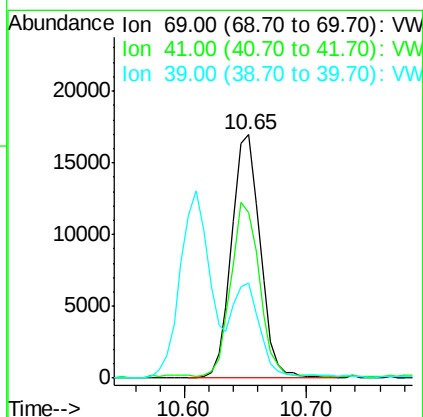
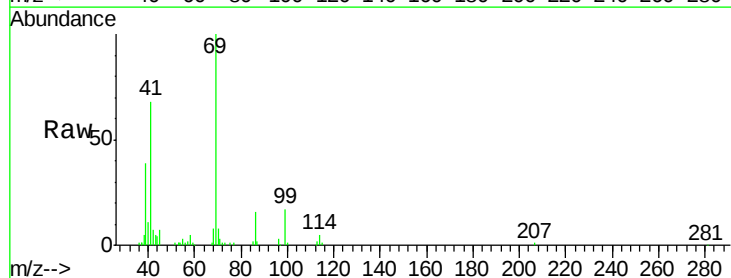
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

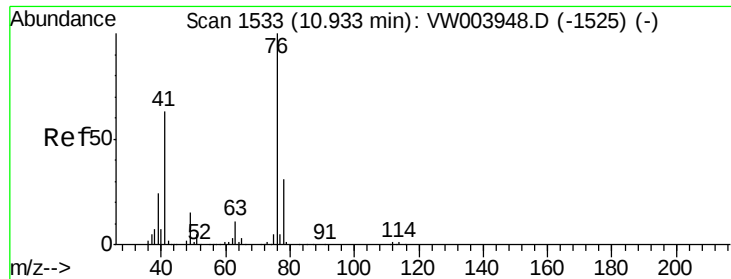
Tot Ion:	97	Resp:	24471
Ion	Ratio	Lower	Upper
97	100		
83	85.6	69.0	103.4
85	56.1	45.0	67.6
99	58.9	49.9	74.9



#56
 Ethyl methacrylate
 Concen: 9.08 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW003946.D
 Acq: 16 Jul 2018 12:23

Tgt Ion:	69	Resp:	27483
Ion	Ratio	Lower	Upper
69	100		
41	71.5	56.5	84.7
39	34.9	30.2	45.4

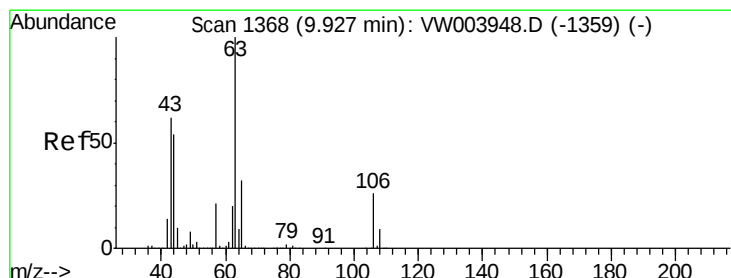
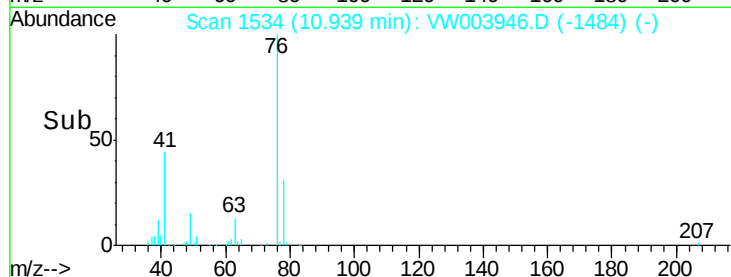
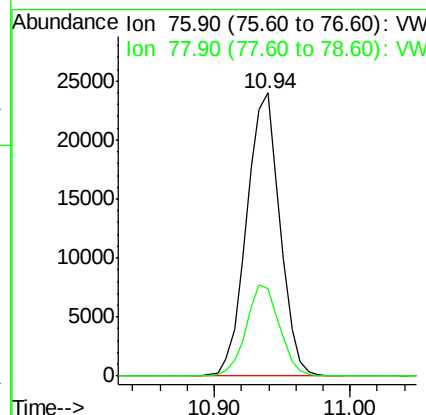
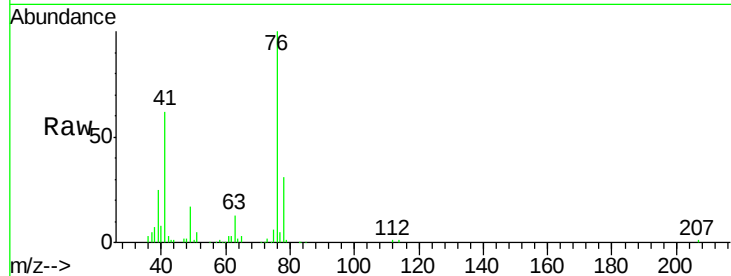




#57
 1,3-Dichloropropane
 Concen: 9.78 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.01 min
 Lab File: VW003946.D
 Acq: 16 Jul 2018 12:23

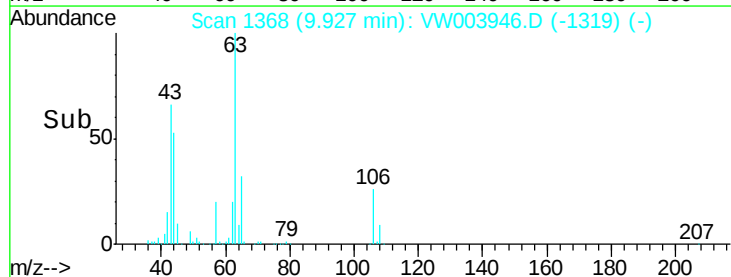
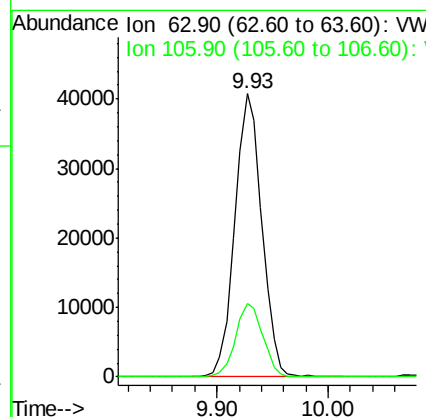
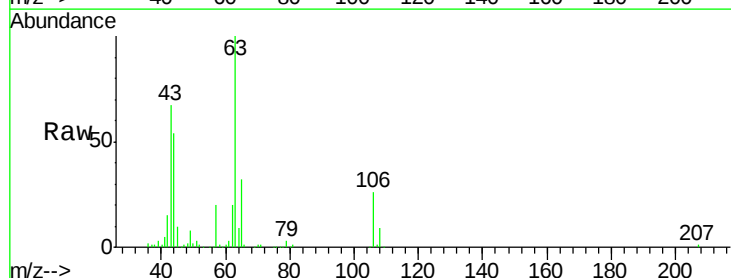
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

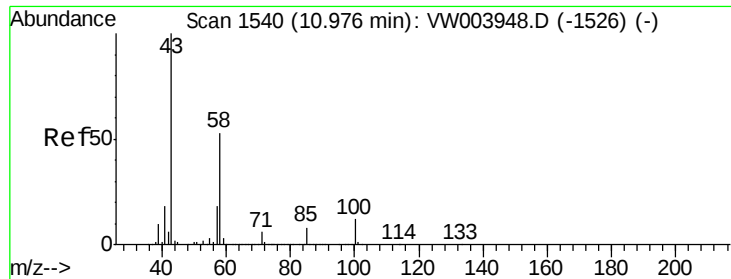
Tot Ion: 76 Resp: 41075
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 48.02 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VW003946.D
 Acq: 16 Jul 2018 12:23

Tgt Ion: 63 Resp: 68347
 Ion Ratio Lower Upper
 63 100
 106 26.3 21.2 31.8

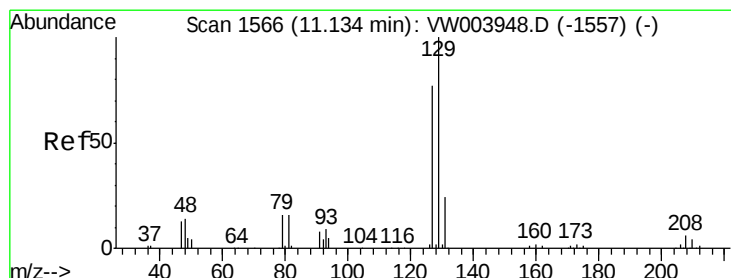
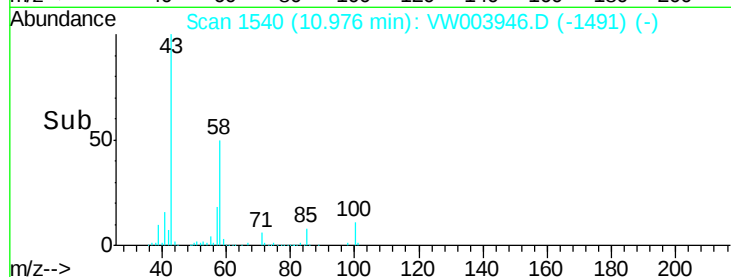
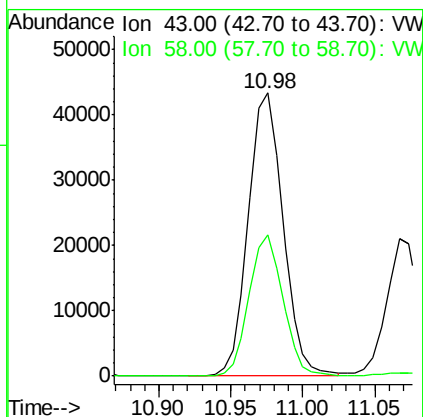
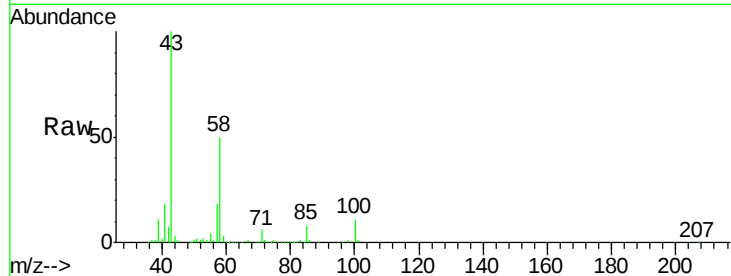




#59
2-Hexanone
Concen: 48.55 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW003946.D
Acq: 16 Jul 2018 12:23

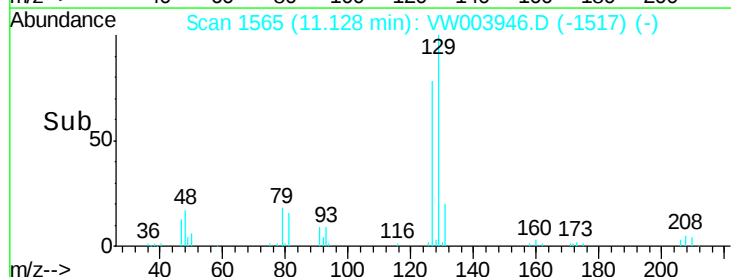
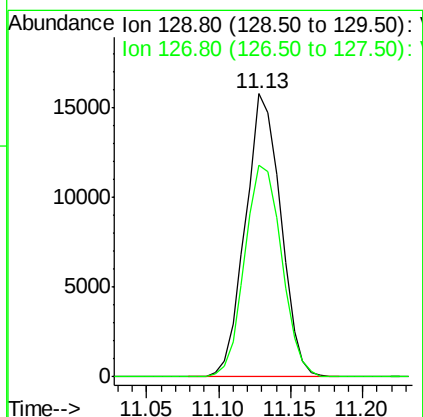
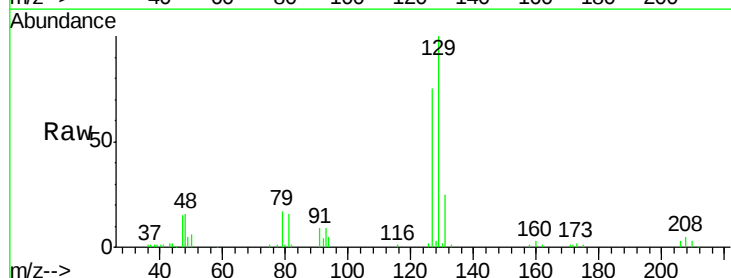
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

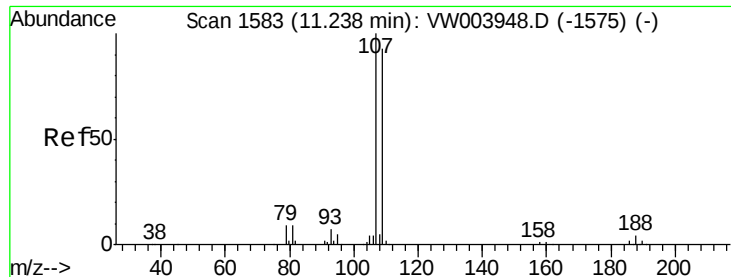
Tot Ion: 43 Resp: 72640
Ion Ratio Lower Upper
43 100
58 48.7 26.0 78.0



#60
Dibromochloromethane
Concen: 9.58 ug/l
RT: 11.13 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VW003946.D
Acq: 16 Jul 2018 12:23

Tgt Ion: 129 Resp: 26874
Ion Ratio Lower Upper
129 100
127 78.0 39.1 117.3





#61

1,2-Dibromoethane

Concen: 9.92 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VW003946.D

Acq: 16 Jul 2018 12:23

Instrument :

MSVOA_W

ClientSampleId :

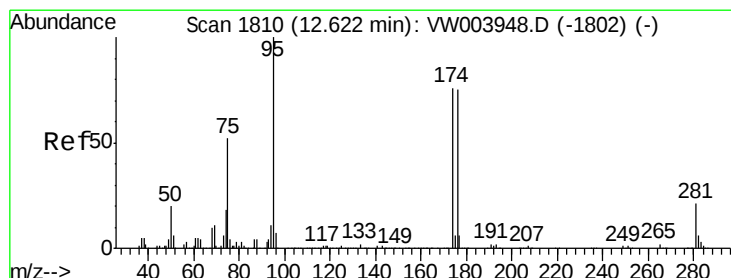
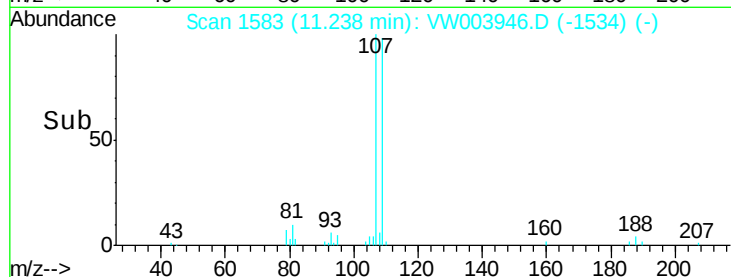
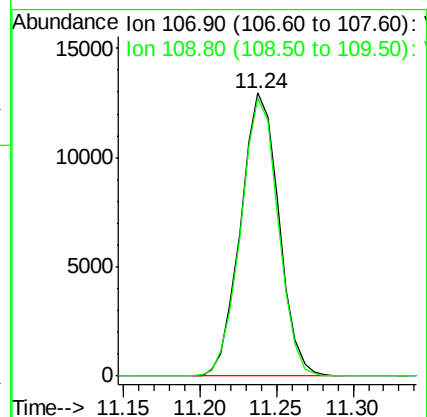
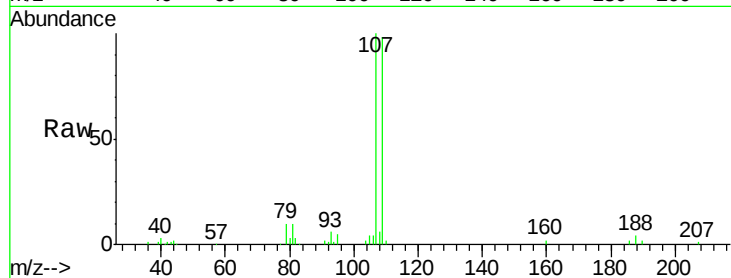
VSTDIC010

Tot Ion:107 Resp: 22421

Ion Ratio Lower Upper

107 100

109 96.5 74.3 111.5



#62

4-Bromofluorobenzene

Concen: 9.10 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW003946.D

Acq: 16 Jul 2018 12:23

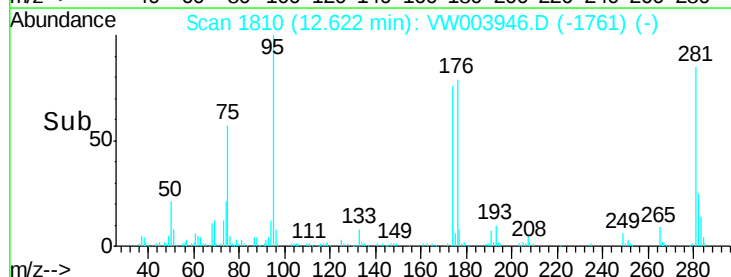
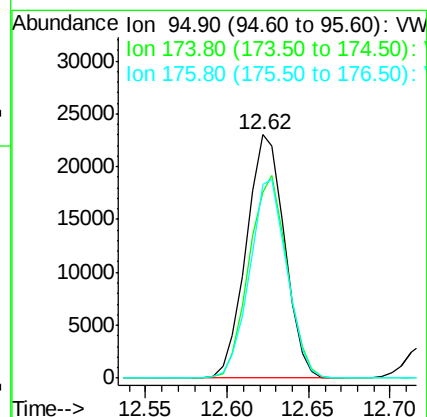
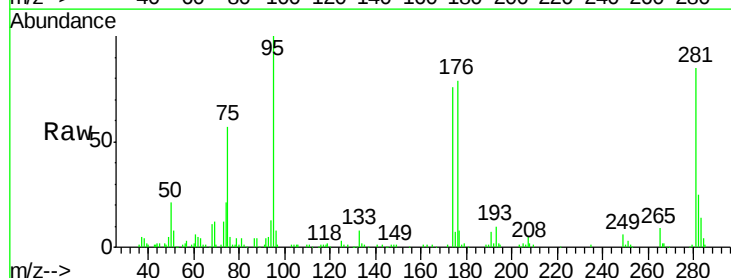
Tgt Ion: 95 Resp: 37545

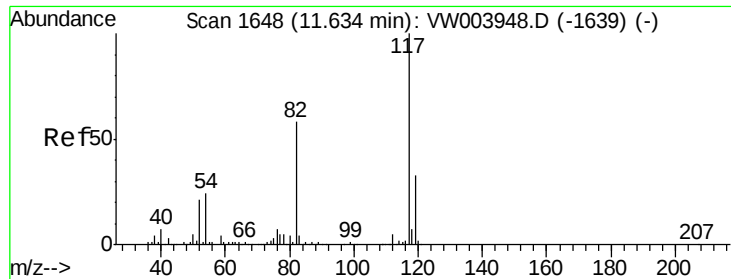
Ion Ratio Lower Upper

95 100

174 82.7 0.0 160.2

176 80.0 0.0 155.8

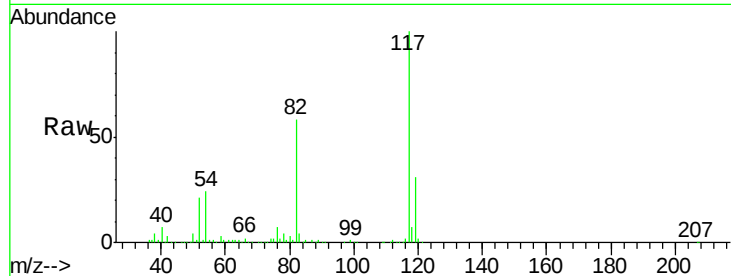




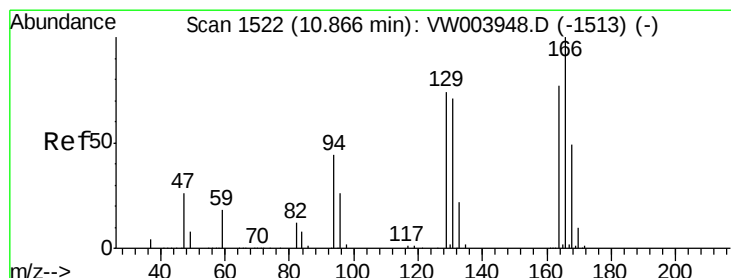
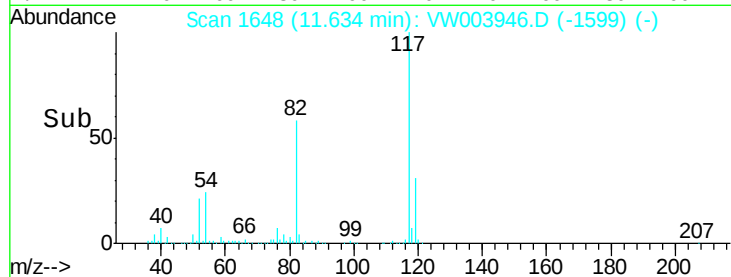
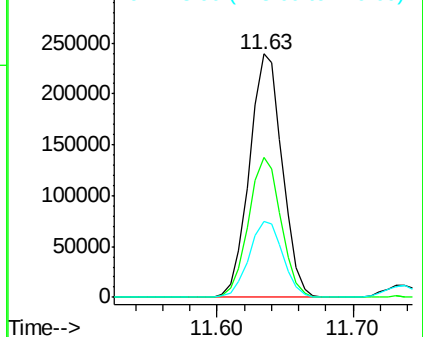
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003946.D
Acq: 16 Jul 2018 12:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:117 Resp: 404701
Ion Ratio Lower Upper
117 100
82 57.7 46.5 69.7
119 31.5 26.2 39.2

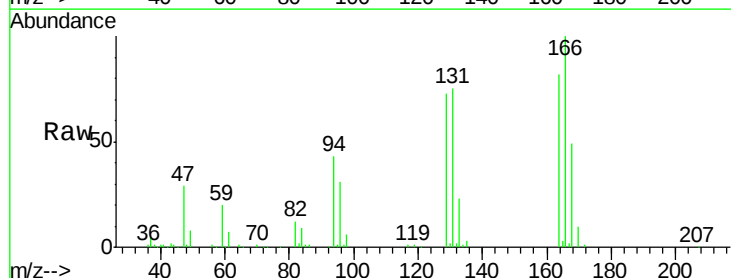


Abundance Ion 116.90 (116.60 to 117.60):
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60):

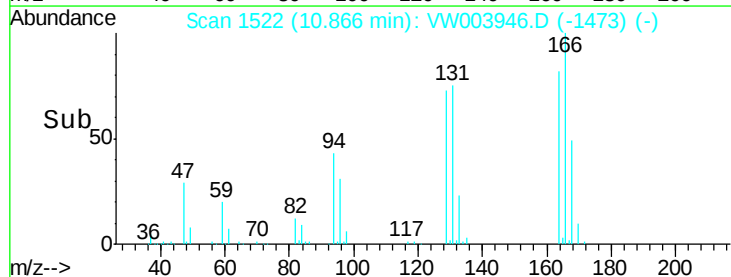
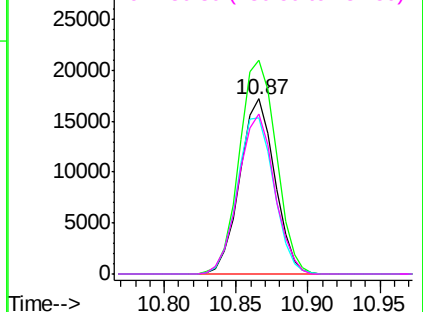


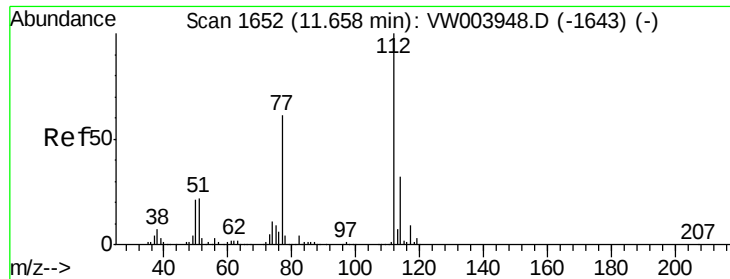
#64
Tetrachloroethene
Concen: 10.09 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW003946.D
Acq: 16 Jul 2018 12:23

Tgt Ion:164 Resp: 29056
Ion Ratio Lower Upper
164 100
166 122.2 103.5 155.3
129 89.4 76.8 115.2
131 91.2 73.2 109.8



Abundance Ion 163.80 (163.50 to 164.50):
Ion 165.80 (165.50 to 166.50):
Ion 128.80 (128.50 to 129.50):
Ion 130.80 (130.50 to 131.50):

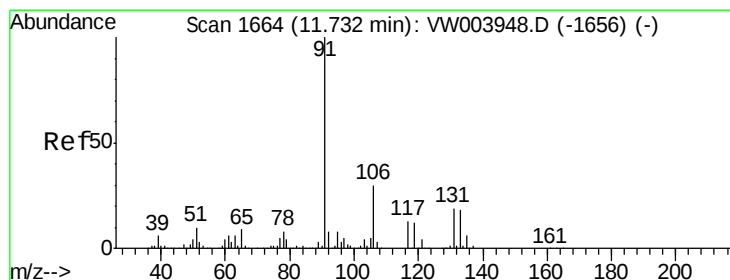
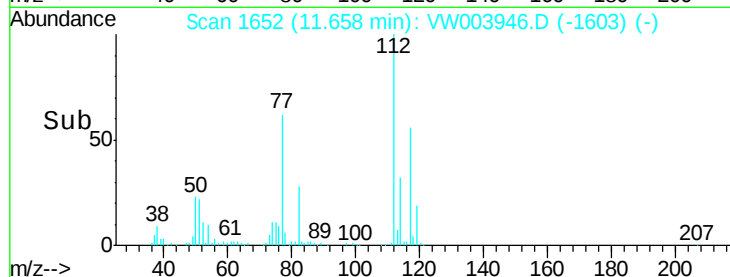
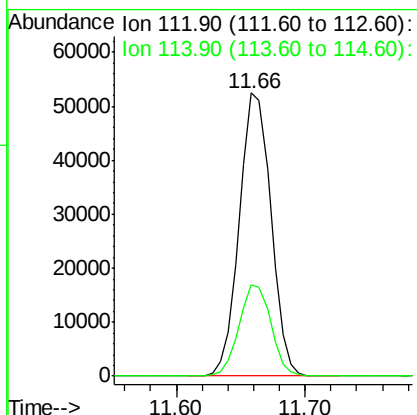
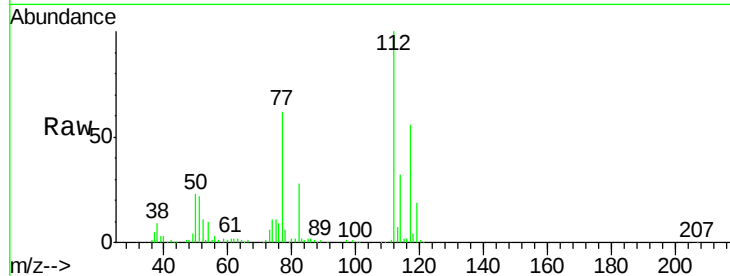




#65
Chlorobenzene
Concen: 10.22 ug/l
RT: 11.66 min Scan# 1652
Delta R.T. -0.00 min
Lab File: VW003946.D
Acq: 16 Jul 2018 12:23

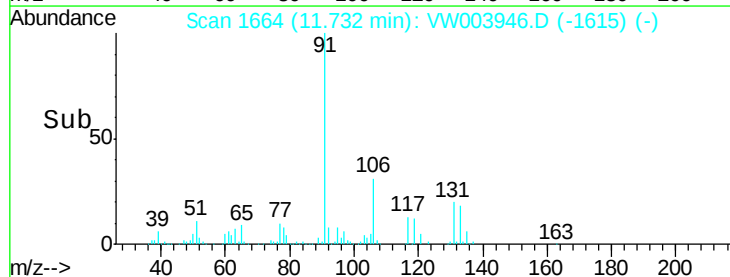
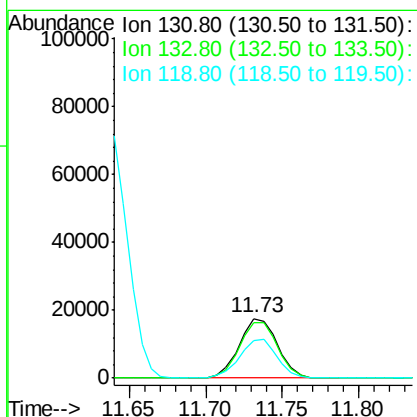
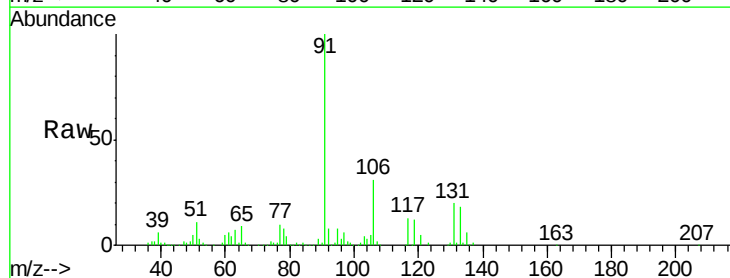
Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

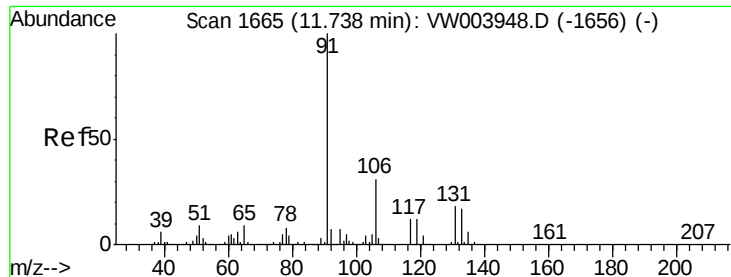
Tot Ion:112 Resp: 89264
Ion Ratio Lower Upper
112 100
114 32.4 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 10.14 ug/l
RT: 11.73 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VW003946.D
Acq: 16 Jul 2018 12:23

Tgt Ion:131 Resp: 30678
Ion Ratio Lower Upper
131 100
133 93.7 47.9 143.8
119 63.9 32.5 97.5

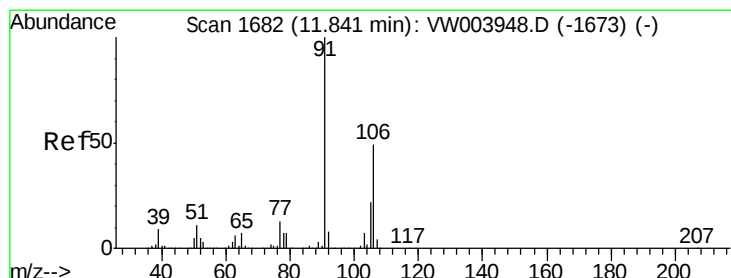
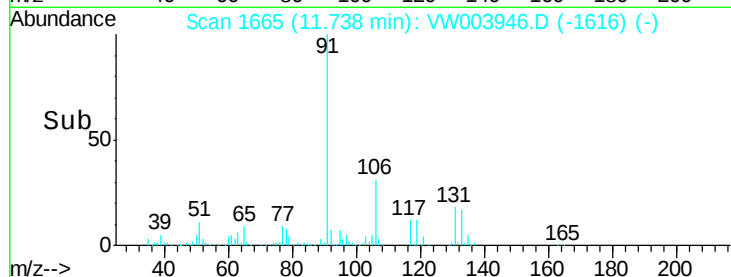
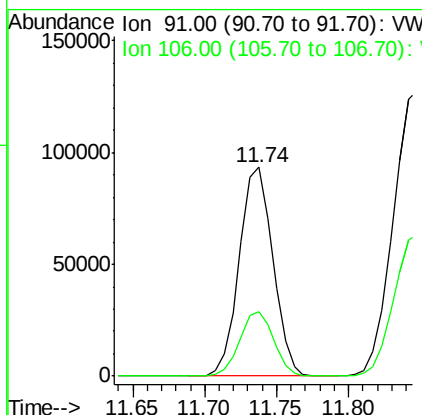
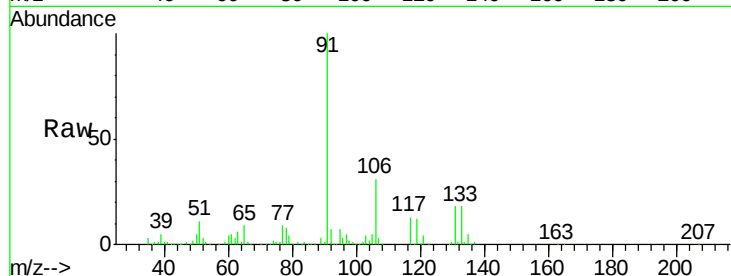




#67
Ethyl Benzene
Concen: 9.98 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW003946.D
Acq: 16 Jul 2018 12:23

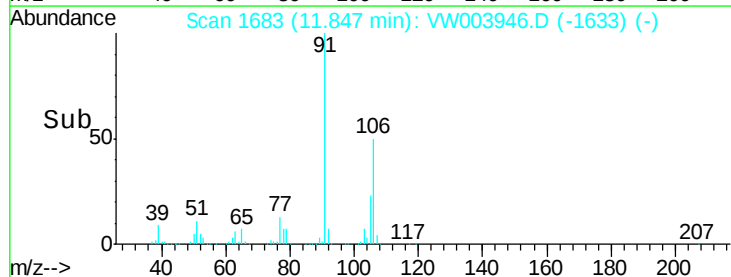
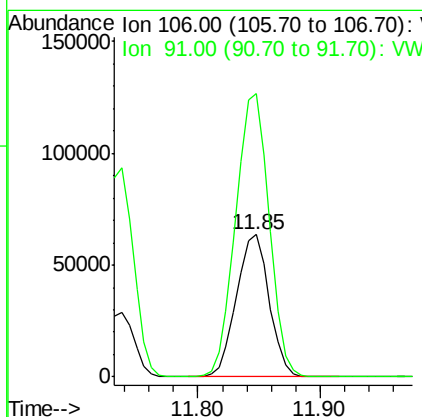
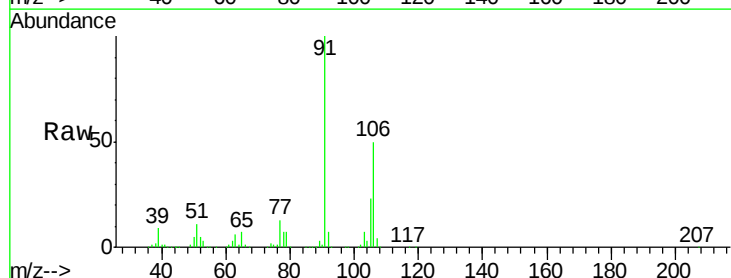
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

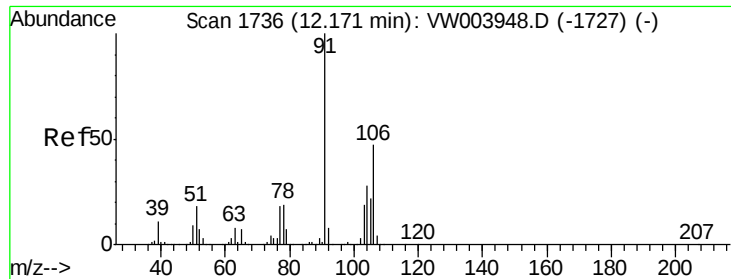
Tot Ion: 91 Resp: 151781
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.4



#68
m/p-Xylenes
Concen: 20.16 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VW003946.D
Acq: 16 Jul 2018 12:23

Tgt Ion: 106 Resp: 117916
Ion Ratio Lower Upper
106 100
91 203.8 164.2 246.2

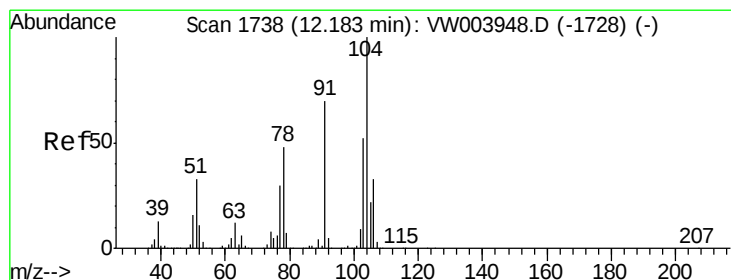
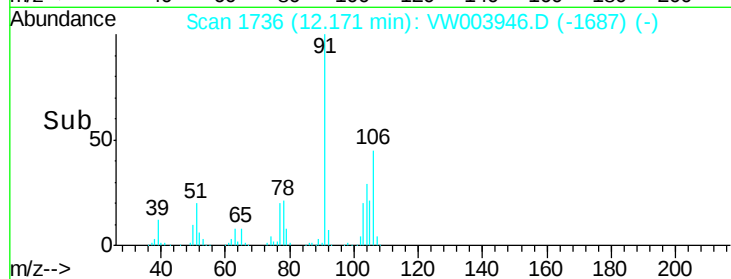
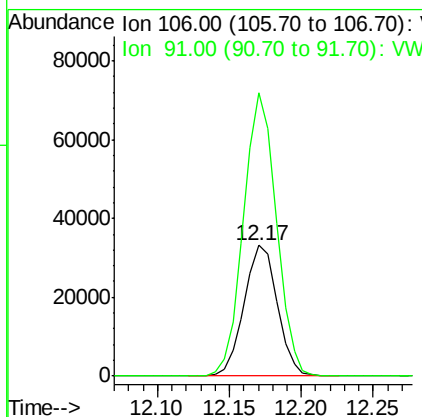
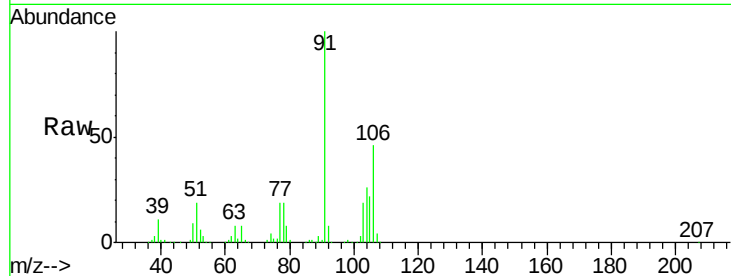




#69
o-Xylene
Concen: 9.80 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW003946.D
Acq: 16 Jul 2018 12:23

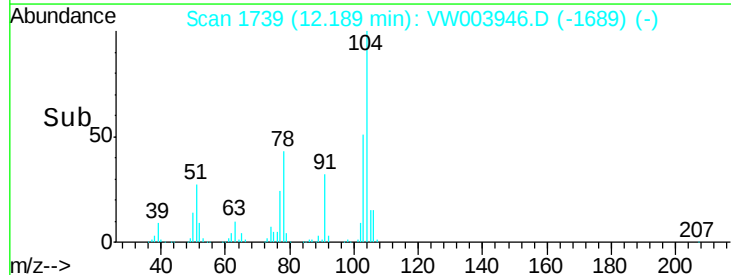
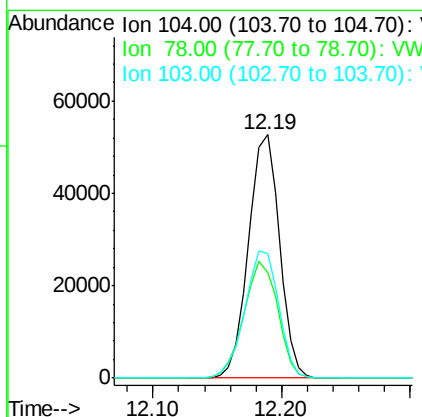
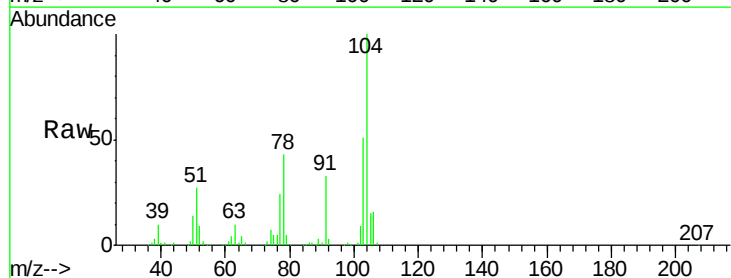
Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

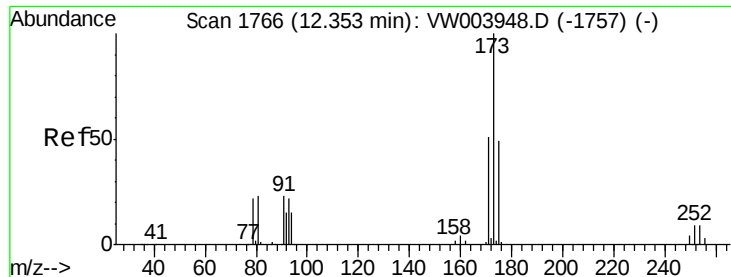
Tot Ion:106 Resp: 52806
Ion Ratio Lower Upper
106 100
91 215.2 107.5 322.6



#70
Styrene
Concen: 9.64 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW003946.D
Acq: 16 Jul 2018 12:23

Tgt Ion:104 Resp: 87537
Ion Ratio Lower Upper
104 100
78 52.5 41.0 61.4
103 57.2 44.6 67.0

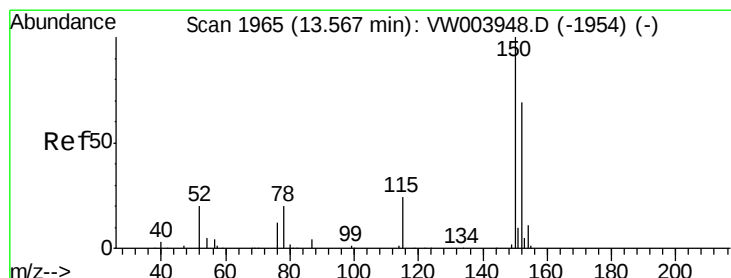
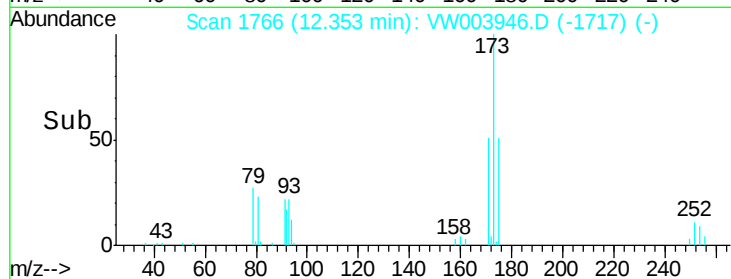
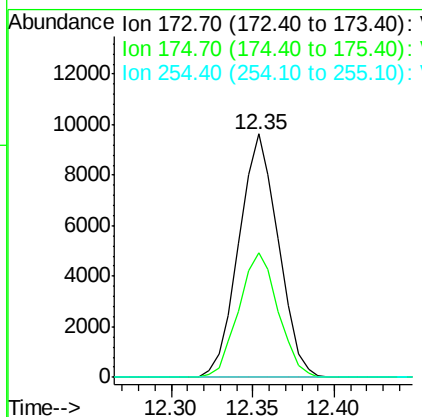
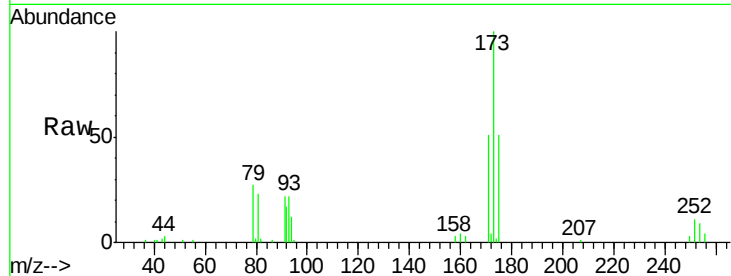




#71
Bromoform
Concen: 9.75 ug/l
RT: 12.35 min Scan# 1766
Delta R.T. -0.00 min
Lab File: VW003946.D
Acq: 16 Jul 2018 12:23

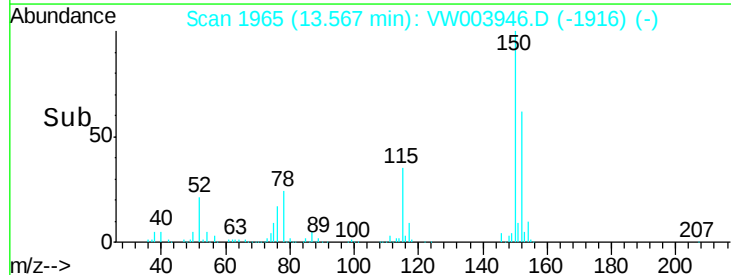
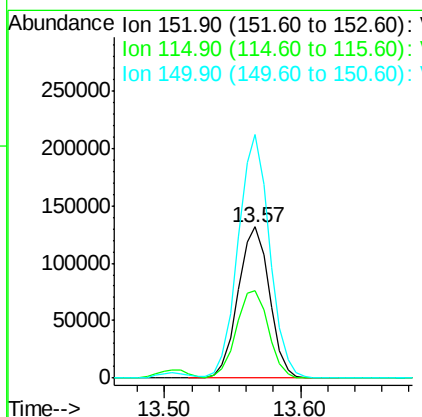
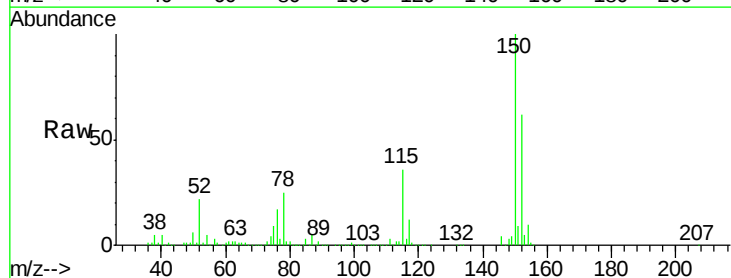
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

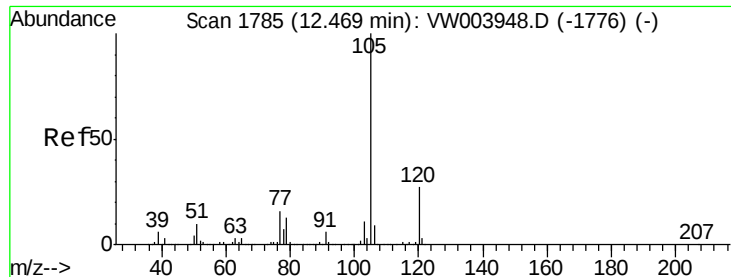
Tot Ion:173 Resp: 16201
Ion Ratio Lower Upper
173 100
175 51.0 24.4 73.2
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003946.D
Acq: 16 Jul 2018 12:23

Tgt Ion:152 Resp: 211428
Ion Ratio Lower Upper
152 100
115 59.1 29.2 87.6
150 161.3 0.0 345.2





#73

Isopropylbenzene

Concen: 10.17 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW003946.D

Acq: 16 Jul 2018 12:23

Instrument :

MSVOA_W

ClientSampled :

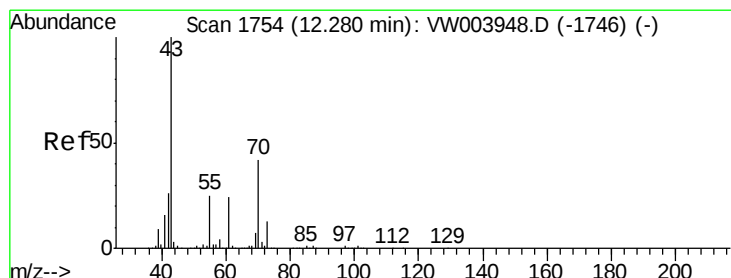
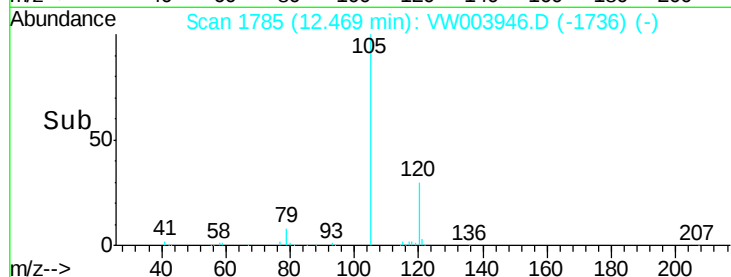
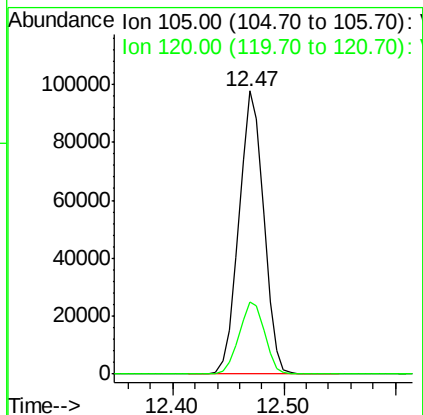
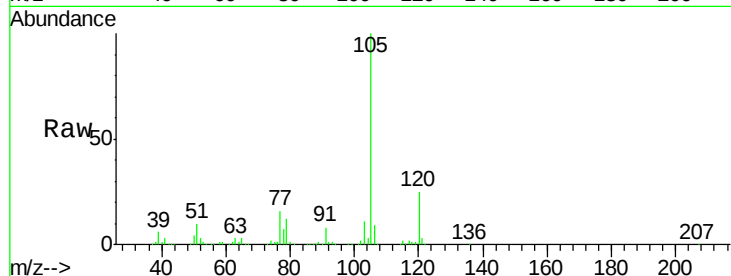
VSTDIC010

Tot Ion:105 Resp: 150378

Ion Ratio Lower Upper

105 100

120 26.2 13.2 39.6



#74

N-ethyl acetate

Concen: 9.35 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW003946.D

Acq: 16 Jul 2018 12:23

Tgt Ion: 43 Resp: 35377

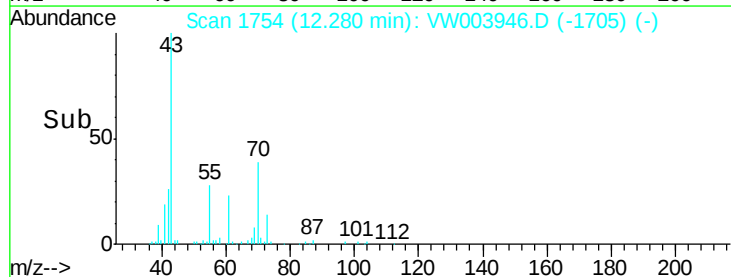
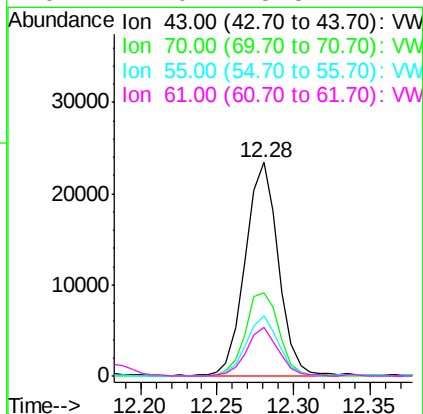
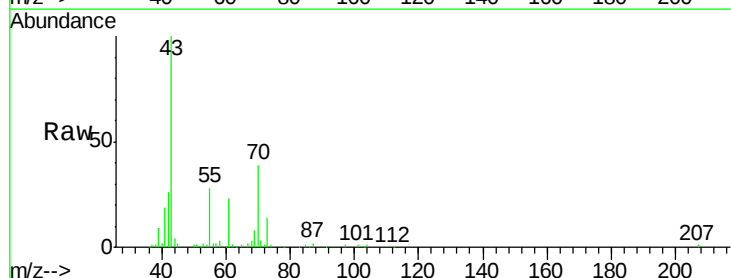
Ion Ratio Lower Upper

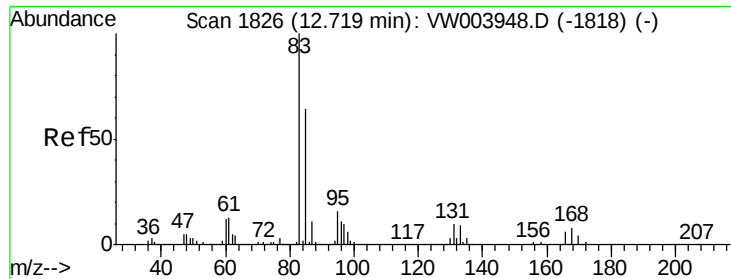
43 100

70 39.8 31.6 47.4

55 27.5 20.0 30.0

61 22.0 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 10.11 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW003946.D

Acq: 16 Jul 2018 12:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

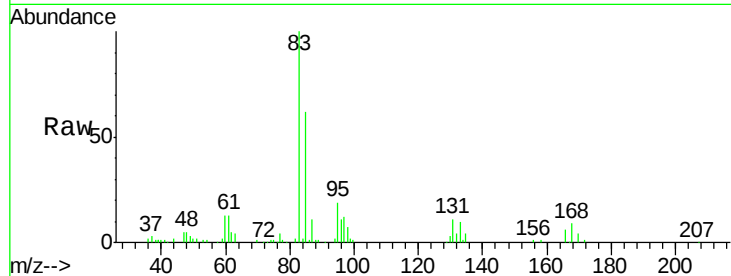
Tot Ion: 83 Resp: 28515

Ion Ratio Lower Upper

83 100

131 11.2 5.3 15.8

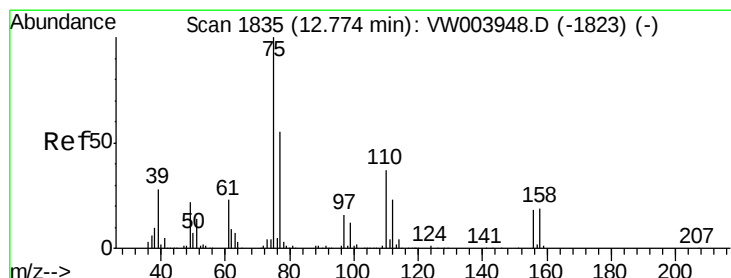
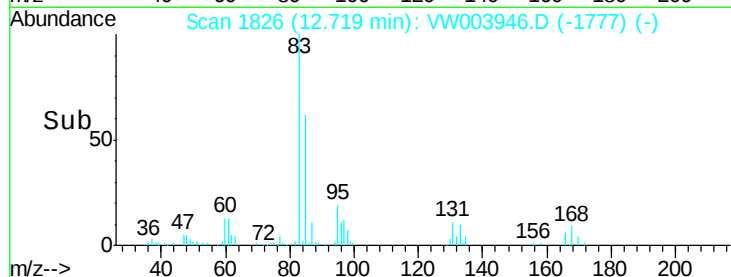
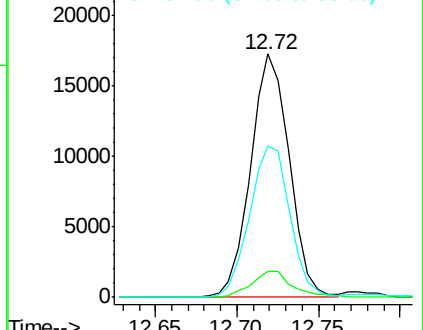
85 65.1 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 16.55 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW003946.D

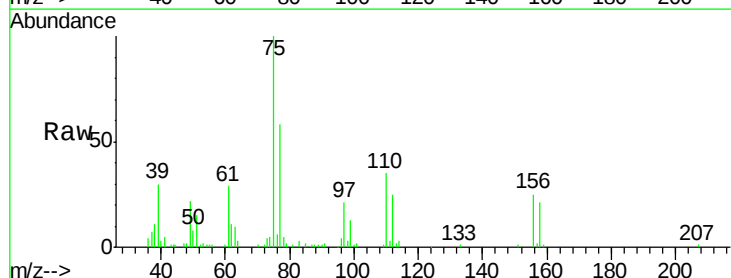
Acq: 16 Jul 2018 12:23

Tgt Ion: 75 Resp: 38476

Ion Ratio Lower Upper

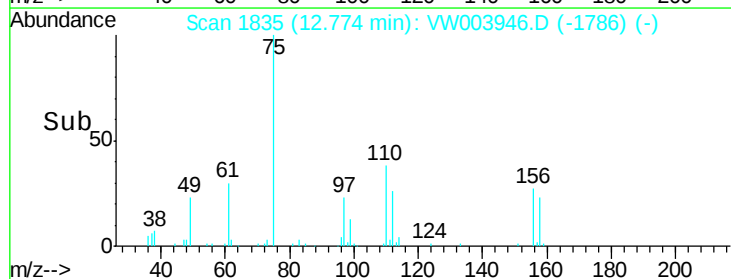
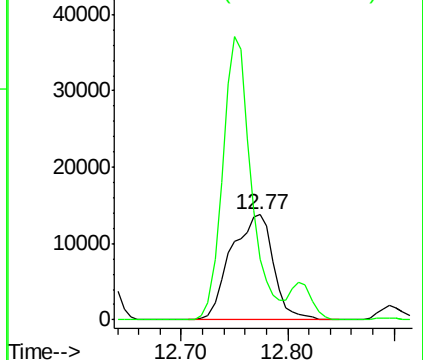
75 100

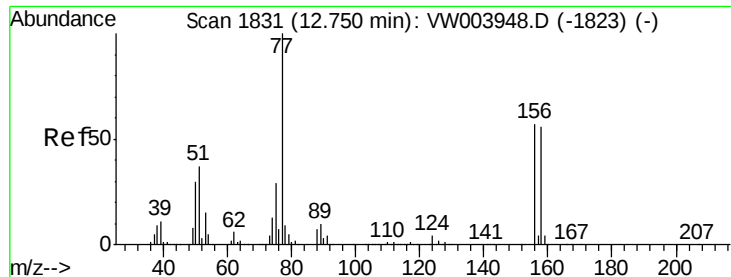
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 10.15 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VW003946.D

Acq: 16 Jul 2018 12:23

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

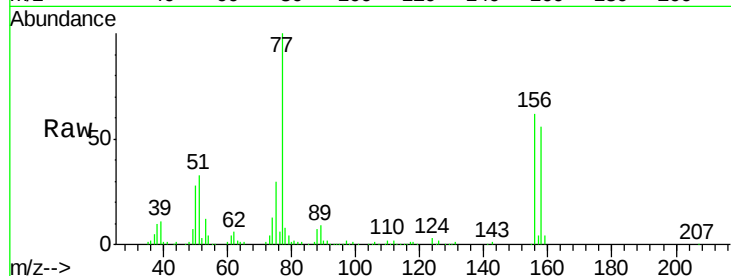
Tot Ion:156 Resp: 35925

Ion Ratio Lower Upper

156 100

77 192.6 96.2 288.6

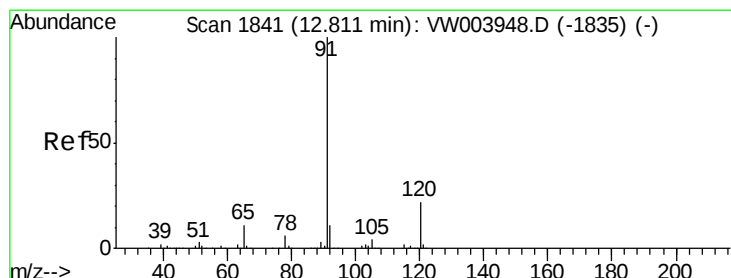
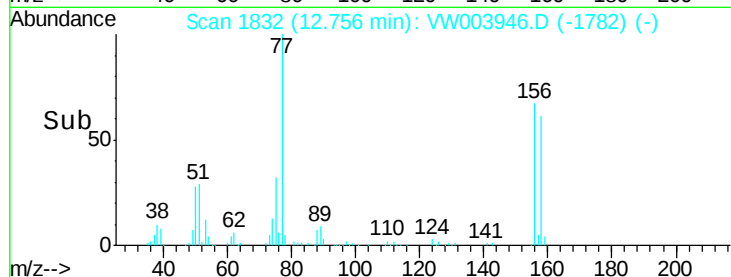
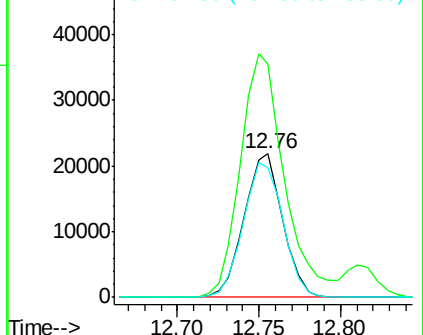
158 96.5 48.5 145.5



Abundance Ion 155.80 (155.50 to 156.50):

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50):



#78

n-propylbenzene

Concen: 10.05 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VW003946.D

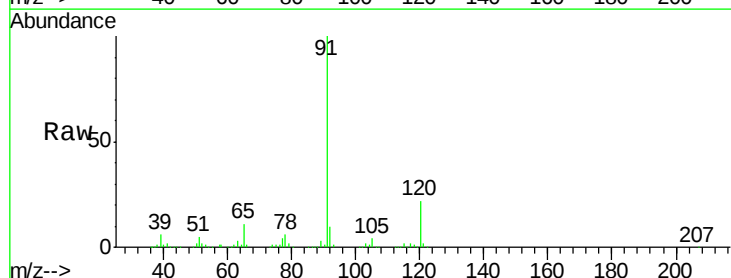
Acq: 16 Jul 2018 12:23

Tgt Ion: 91 Resp: 183762

Ion Ratio Lower Upper

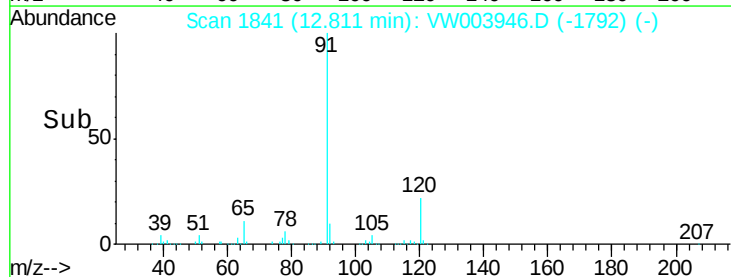
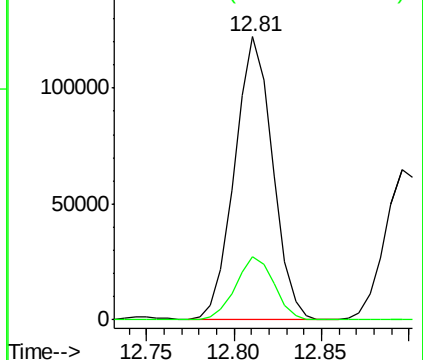
91 100

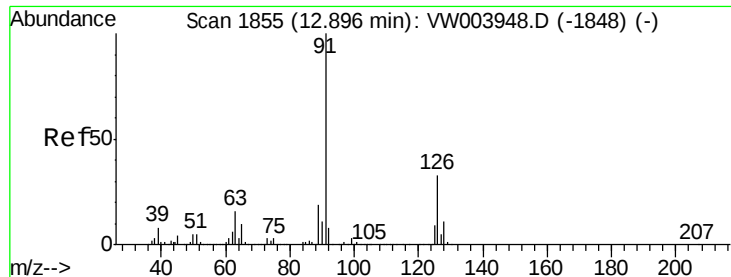
120 22.6 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70):





#79

2-Chlorotoluene

Concen: 10.12 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW003946.D

Acq: 16 Jul 2018 12:23

Instrument :

MSVOA_W

ClientSampleId :

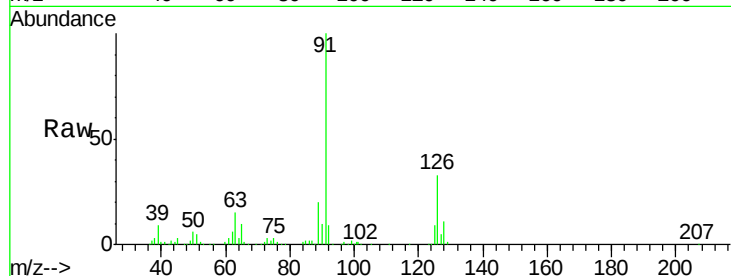
VSTDIC010

Tot Ion: 91 Resp: 104509

Ion Ratio Lower Upper

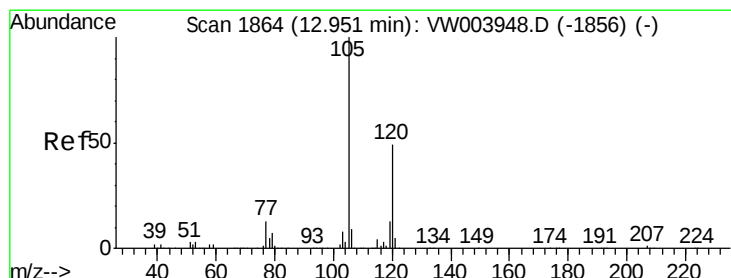
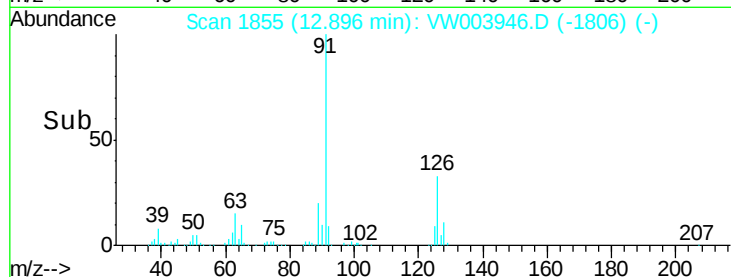
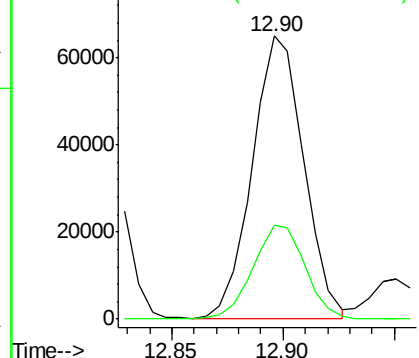
91 100

126 33.8 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60):



#80

1,3,5-Trimethylbenzene

Concen: 10.07 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW003946.D

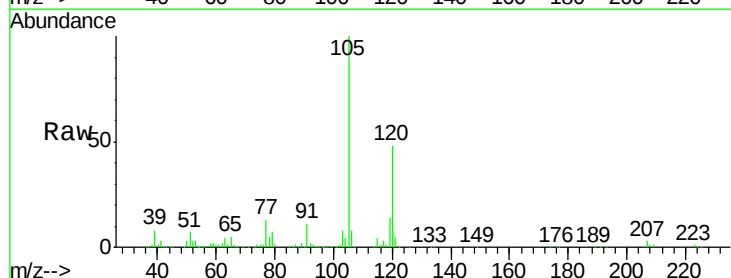
Acq: 16 Jul 2018 12:23

Tgt Ion:105 Resp: 126432

Ion Ratio Lower Upper

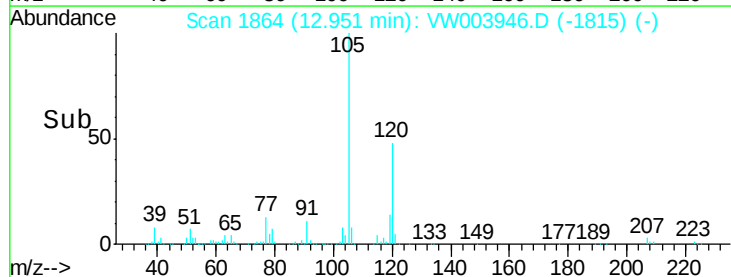
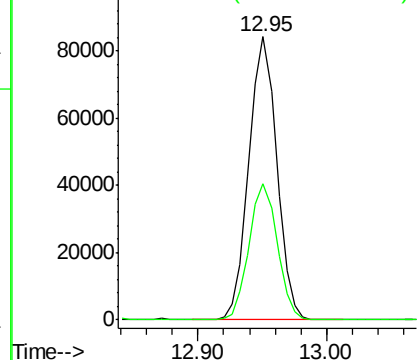
105 100

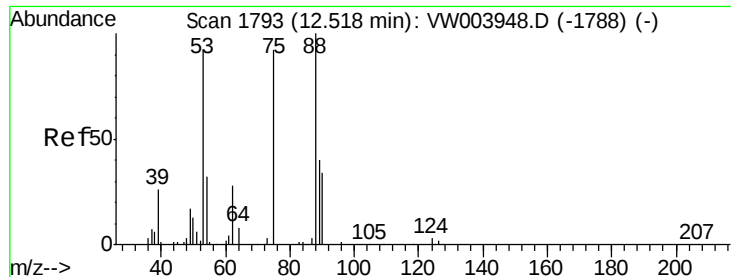
120 48.6 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70):

Ion 120.00 (119.70 to 120.70):





#81

trans-1,4-Dichloro-2-butene

Concen: 10.49 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VW003946.D

Acq: 16 Jul 2018 12:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

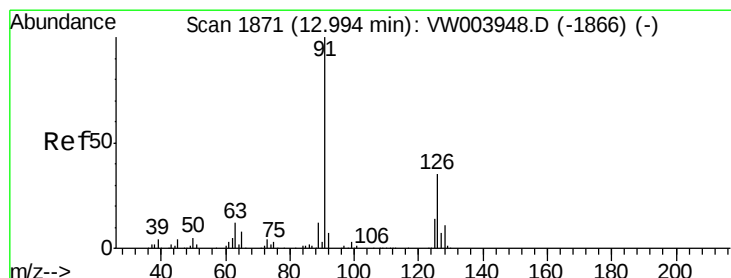
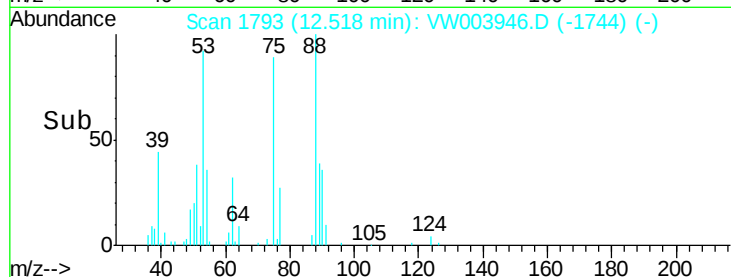
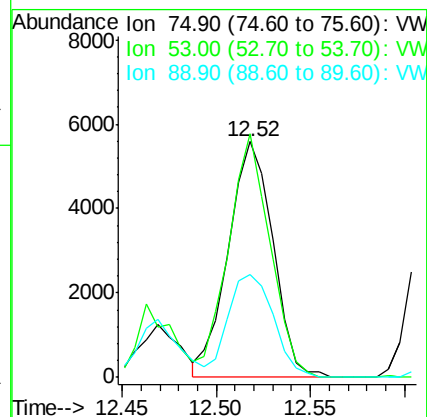
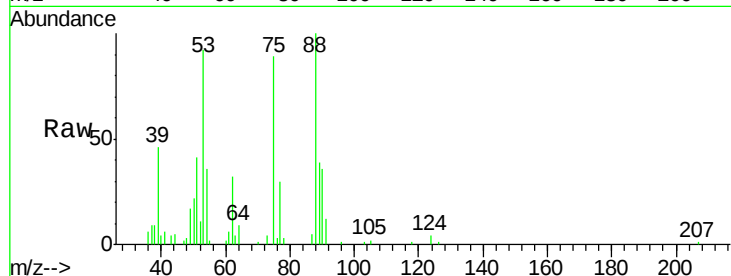
Tot Ion: 75 Resp: 9187

Ion Ratio Lower Upper

75 100

53 96.4 77.6 116.4

89 44.2 36.6 54.8



#82

4-Chlorotoluene

Concen: 10.21 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VW003946.D

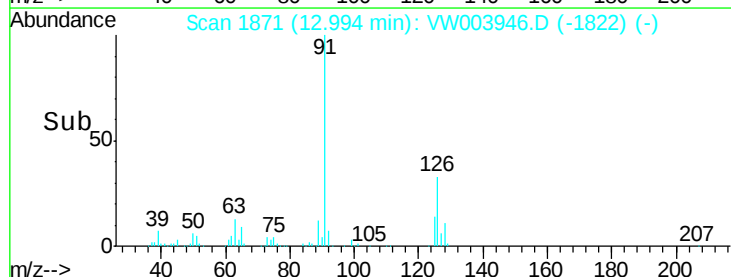
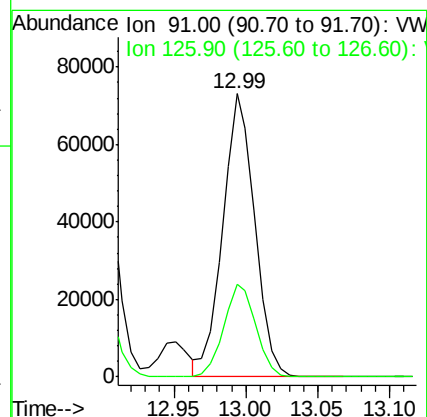
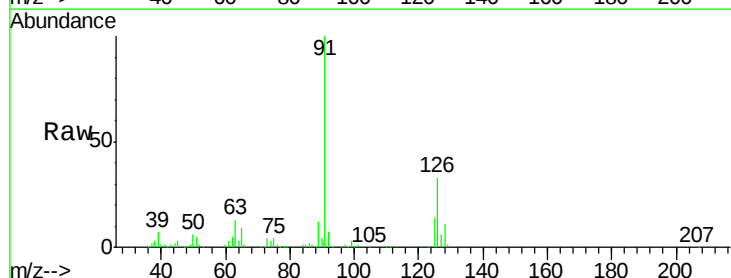
Acq: 16 Jul 2018 12:23

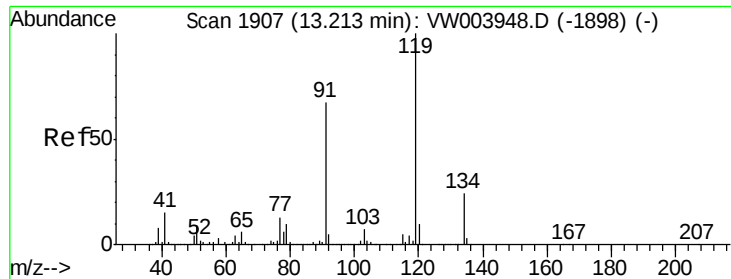
Tgt Ion: 91 Resp: 113591

Ion Ratio Lower Upper

91 100

126 33.0 16.7 50.0

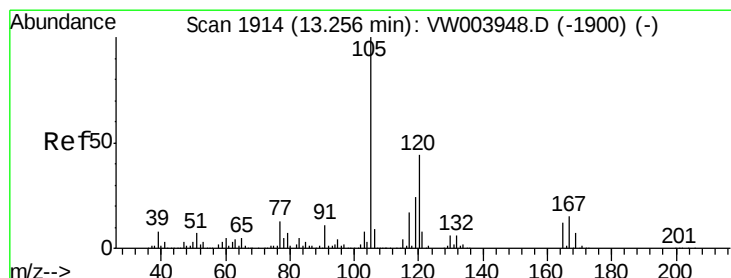
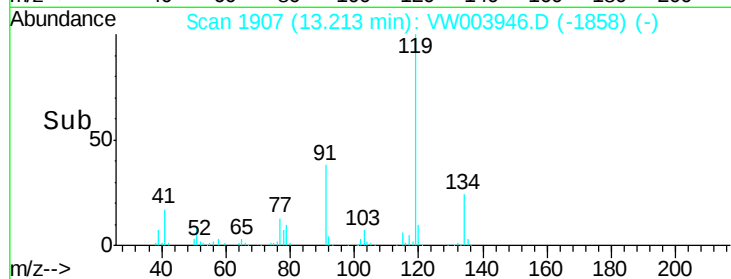
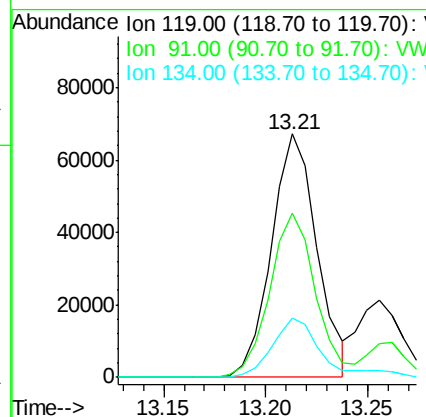
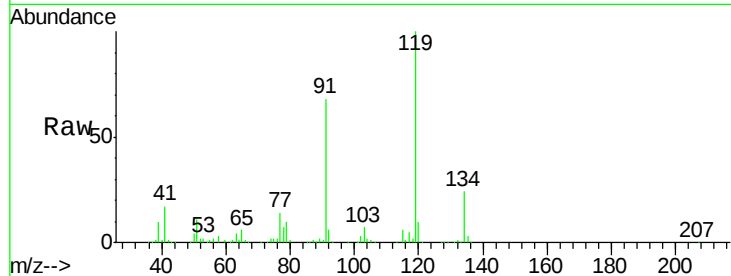




#83
 tert-Butylbenzene
 Concen: 9.97 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VW003946.D
 Acq: 16 Jul 2018 12:23

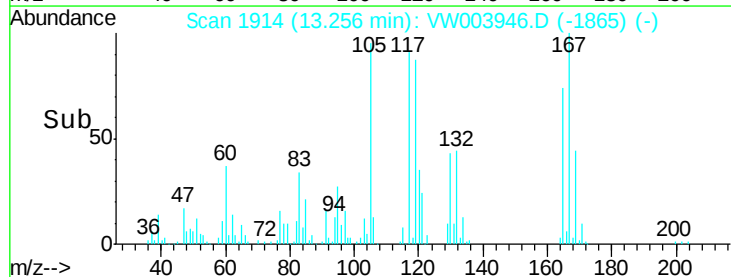
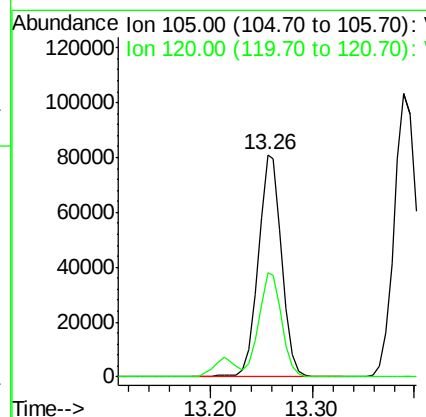
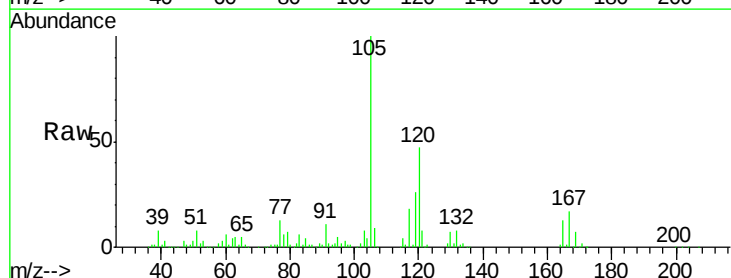
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

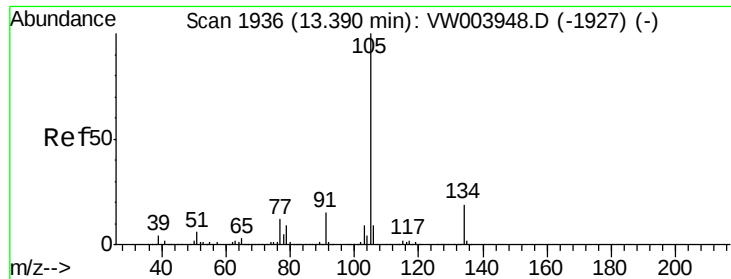
Tot Ion:119 Resp: 104452
 Ion Ratio Lower Upper
 119 100
 91 68.4 33.2 99.6
 134 24.1 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 10.00 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VW003946.D
 Acq: 16 Jul 2018 12:23

Tgt Ion:105 Resp: 129569
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.1 66.1





#85

sec-Butylbenzene

Concen: 10.21 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VW003946.D

Acq: 16 Jul 2018 12:23

Instrument :

MSVOA_W

ClientSampleId :

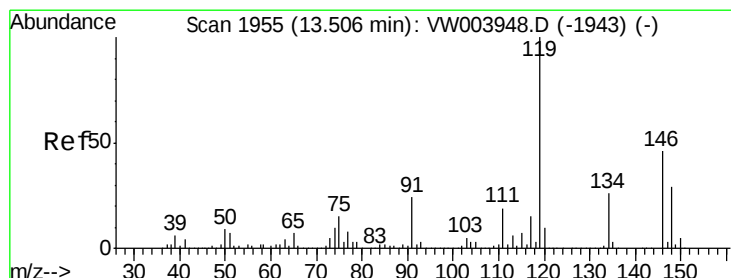
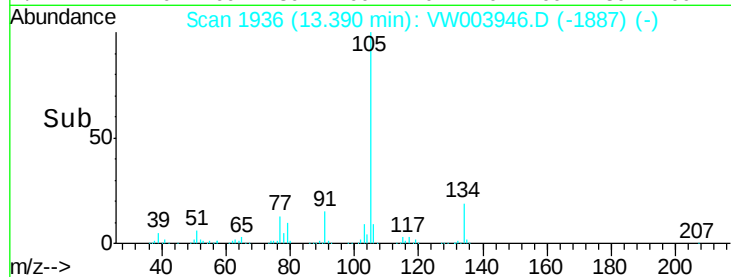
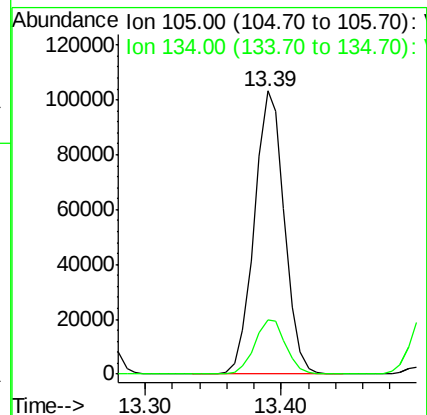
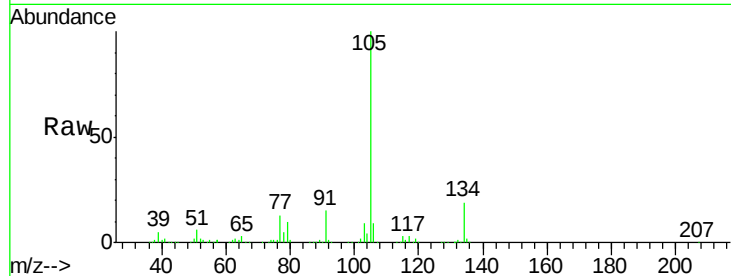
VSTDIC010

Tot Ion:105 Resp: 159850

Ion Ratio Lower Upper

105 100

134 19.9 9.8 29.4



#86

p-Isopropyltoluene

Concen: 10.05 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW003946.D

Acq: 16 Jul 2018 12:23

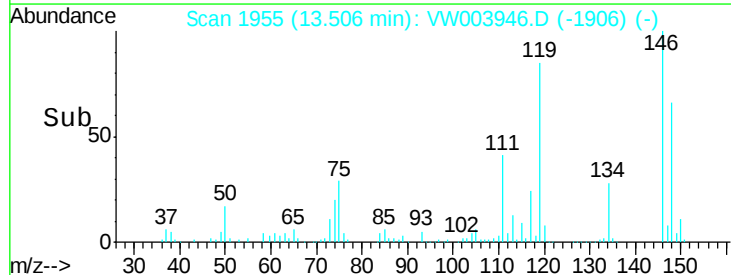
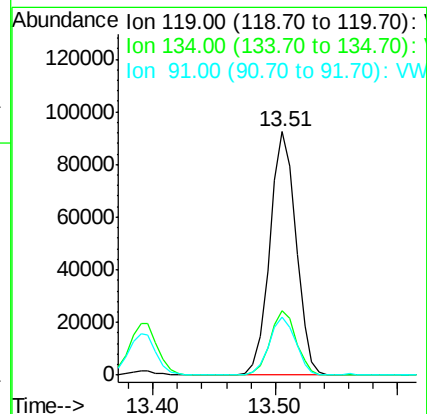
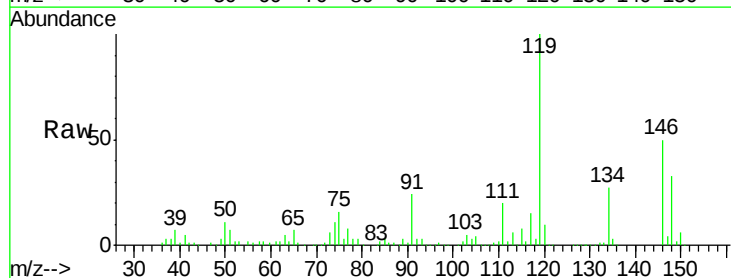
Tgt Ion:119 Resp: 137846

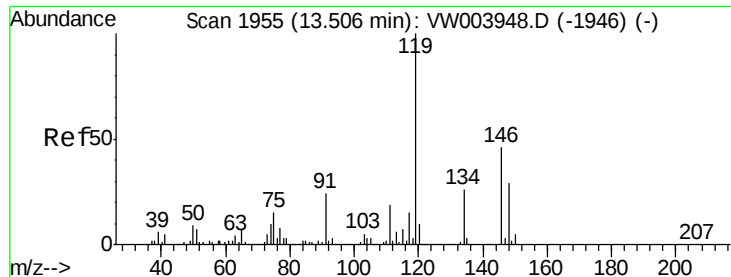
Ion Ratio Lower Upper

119 100

134 26.4 13.0 38.9

91 24.2 11.8 35.3

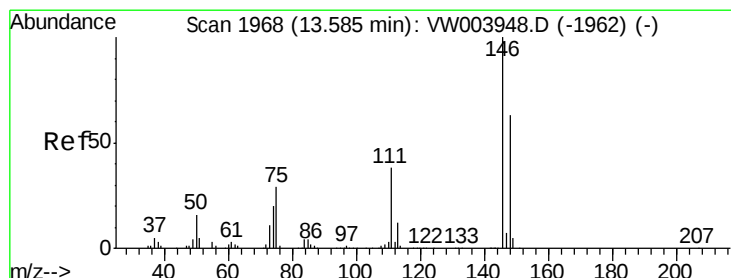
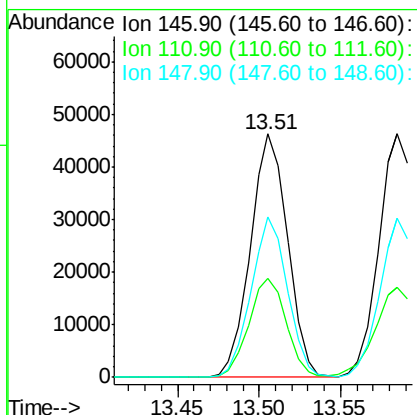
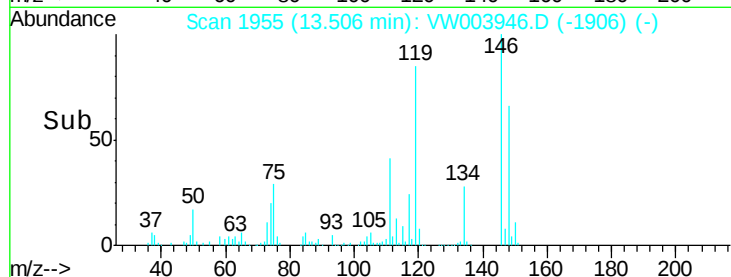
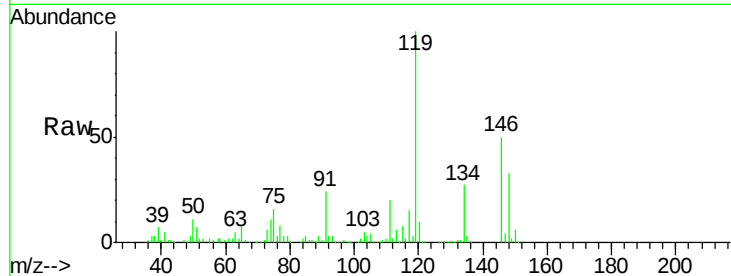




#87
 1,3-Dichlorobenzene
 Concen: 10.26 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW003946.D
 Acq: 16 Jul 2018 12:23

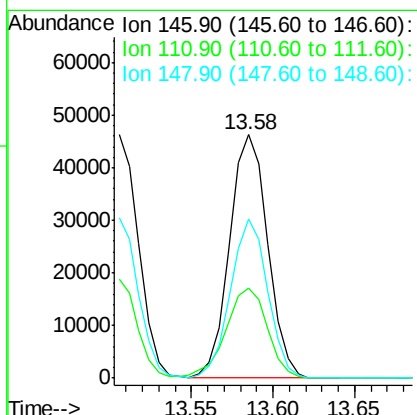
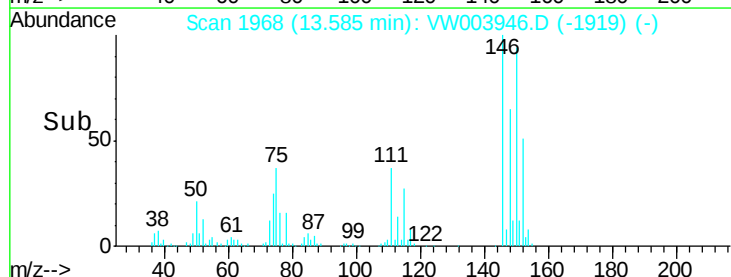
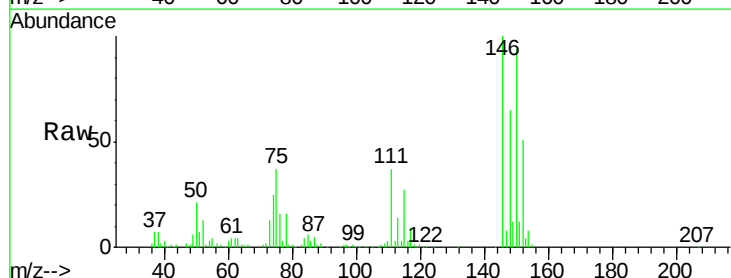
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

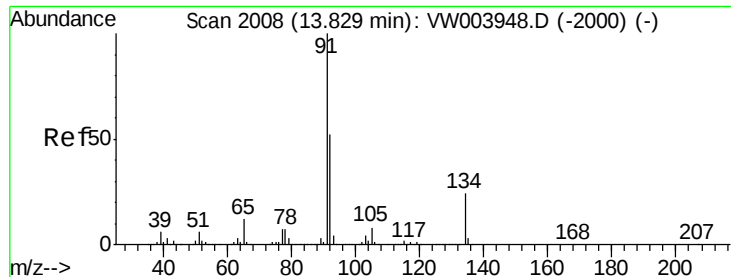
Tot Ion:146 Resp: 73306
 Ion Ratio Lower Upper
 146 100
 111 40.9 19.9 59.6
 148 64.5 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 10.48 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW003946.D
 Acq: 16 Jul 2018 12:23

Tgt Ion:146 Resp: 75104
 Ion Ratio Lower Upper
 146 100
 111 40.4 19.6 58.7
 148 64.0 32.3 96.8





#89

n-Butylbenzene

Concen: 9.93 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. 0.01 min

Lab File: VW003946.D

Acq: 16 Jul 2018 12:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

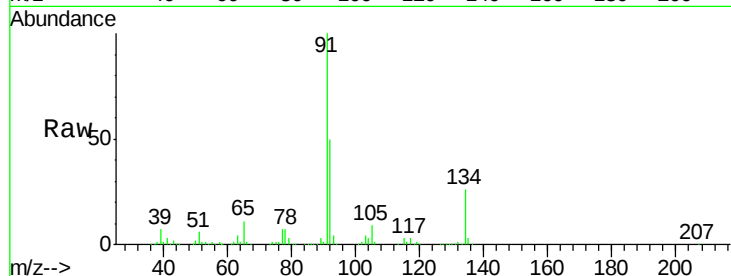
Tot Ion: 91 Resp: 134025

Ion Ratio Lower Upper

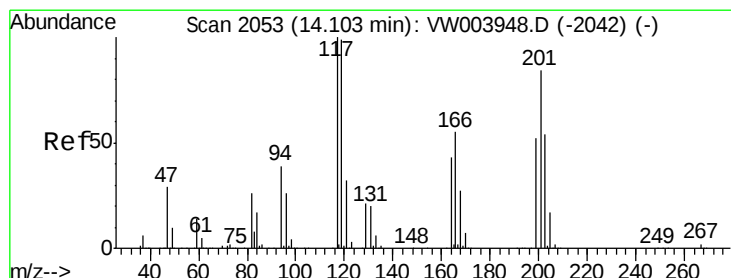
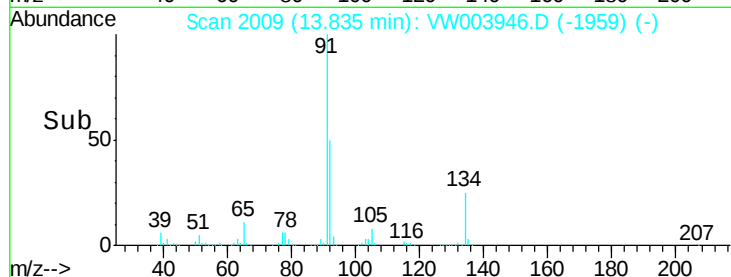
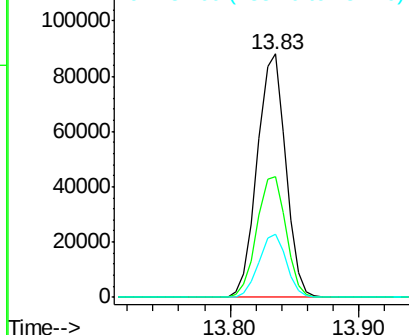
91 100

92 50.9 26.1 78.3

134 25.2 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70):



#90

Hexachloroethane

Concen: 9.91 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VW003946.D

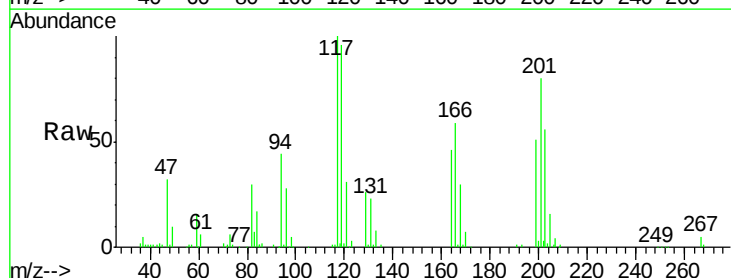
Acq: 16 Jul 2018 12:23

Tgt Ion: 117 Resp: 25205

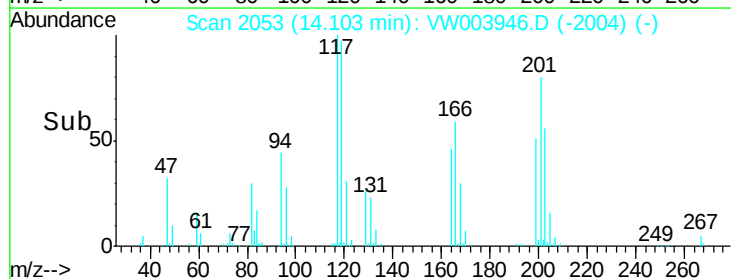
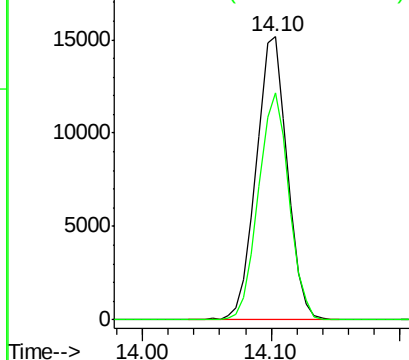
Ion Ratio Lower Upper

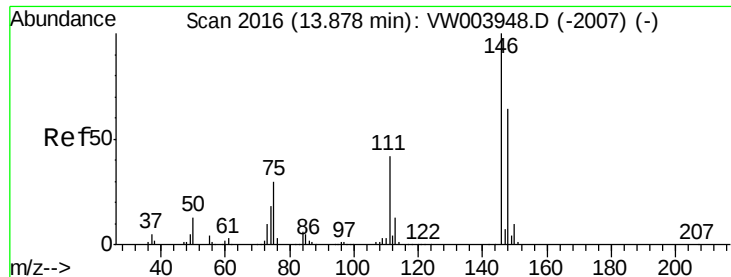
117 100

201 79.1 40.3 120.9



Abundance Ion 116.80 (116.50 to 117.50):
Ion 200.70 (200.40 to 201.40):





#91

1,2-Dichlorobenzene

Concen: 10.07 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW003946.D

Acq: 16 Jul 2018 12:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

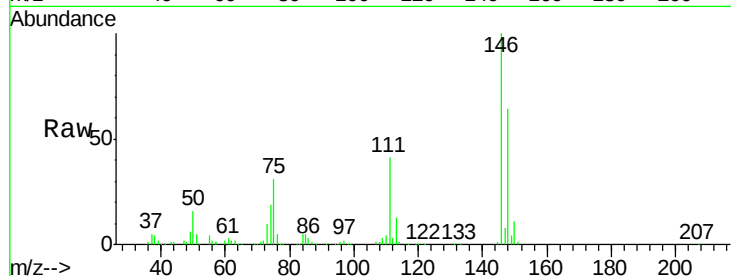
Tot Ion:146 Resp: 64371

Ion Ratio Lower Upper

146 100

111 41.8 20.7 62.1

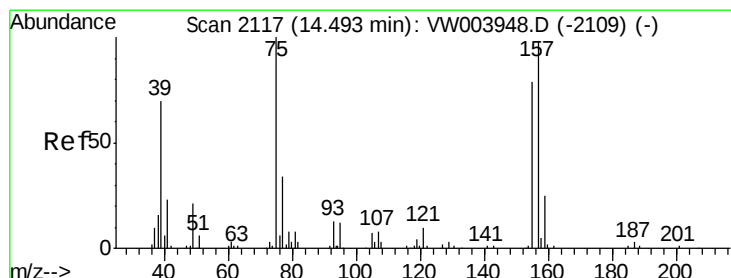
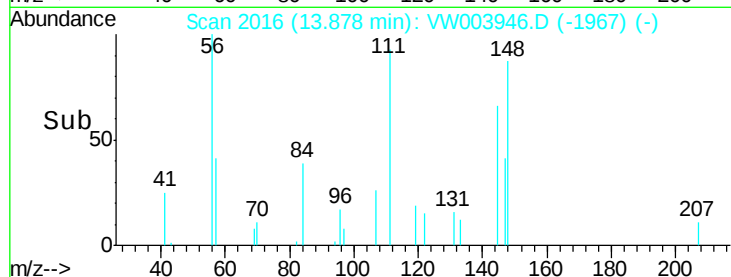
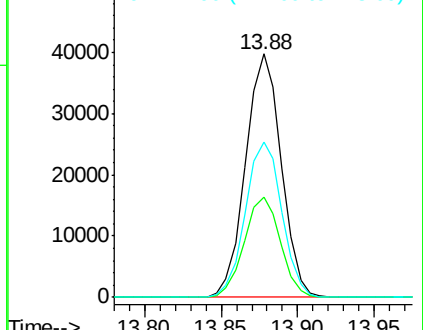
148 65.4 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60):

Ion 110.90 (110.60 to 111.60):

Ion 147.90 (147.60 to 148.60):



#92

1,2-Dibromo-3-Chloropropane

Concen: 10.09 ug/l

RT: 14.49 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VW003946.D

Acq: 16 Jul 2018 12:23

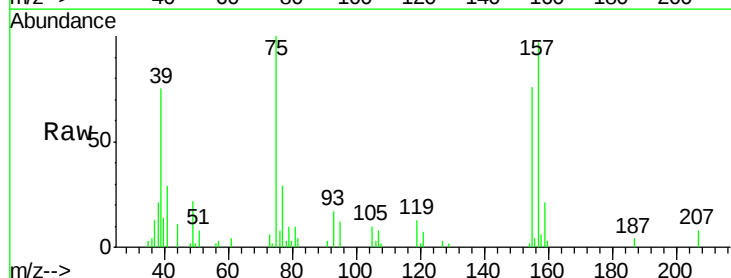
Tgt Ion: 75 Resp: 4960

Ion Ratio Lower Upper

75 100

155 75.3 39.4 118.1

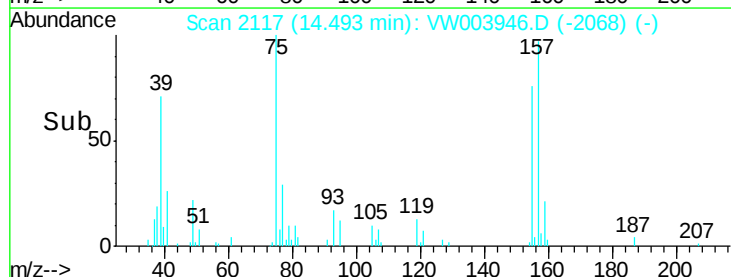
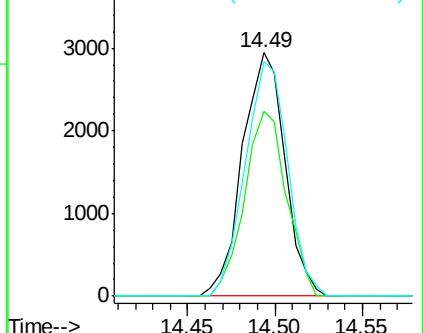
157 96.5 51.8 155.4

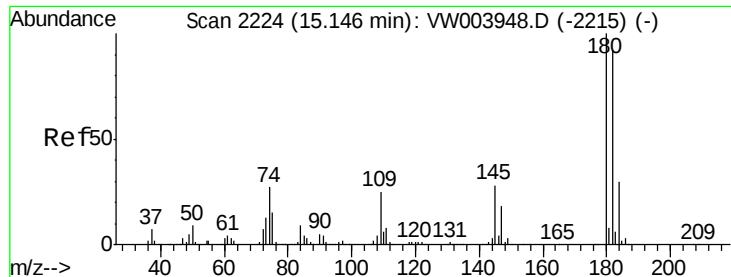


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50):

Ion 156.80 (156.50 to 157.50):

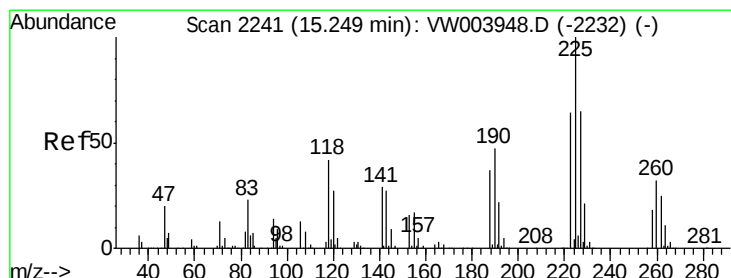
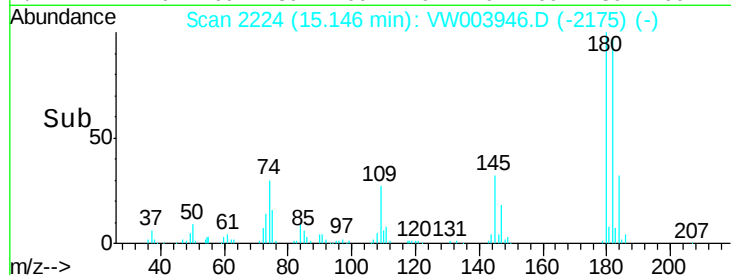
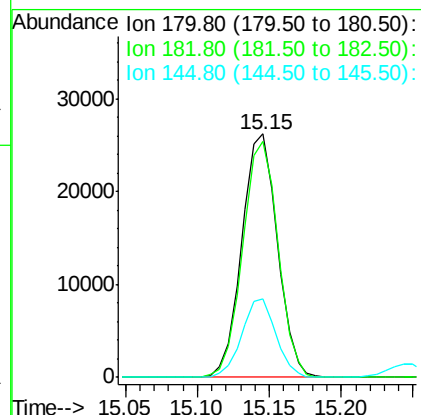
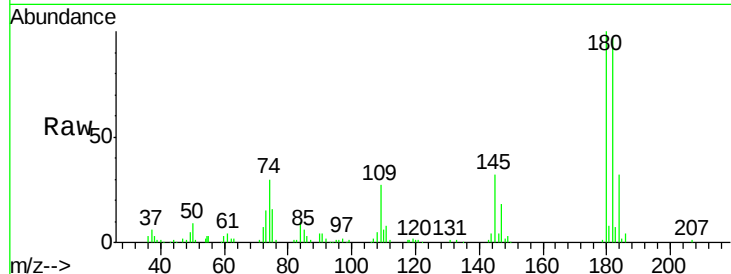




#93
1,2,4-Trichlorobenzene
Concen: 10.18 ug/l
RT: 15.15 min Scan# 2224
Delta R.T. -0.00 min
Lab File: VW003946.D
Acq: 16 Jul 2018 12:23

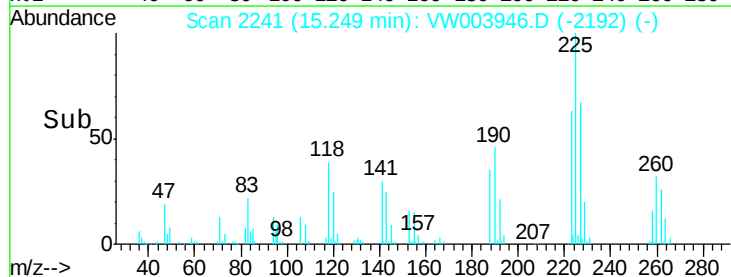
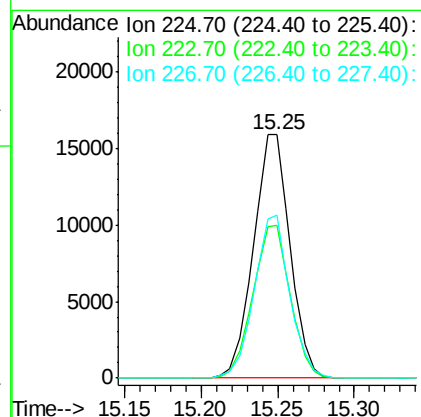
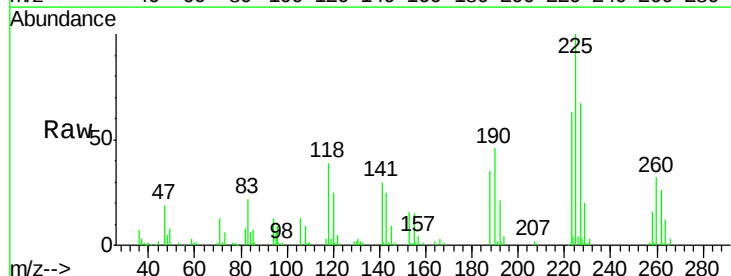
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

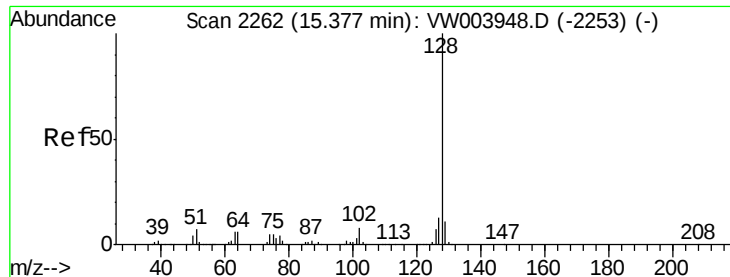
Tot Ion:180 Resp: 44892
Ion Ratio Lower Upper
180 100
182 95.9 46.9 140.8
145 31.0 15.0 45.0



#94
Hexachlorobutadiene
Concen: 10.42 ug/l
RT: 15.25 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW003946.D
Acq: 16 Jul 2018 12:23

Tgt Ion:225 Resp: 26498
Ion Ratio Lower Upper
225 100
223 63.9 32.0 96.2
227 64.6 32.3 96.9





#95

Naphthalene

Concen: 9.55 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW003946.D

Acq: 16 Jul 2018 12:23

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

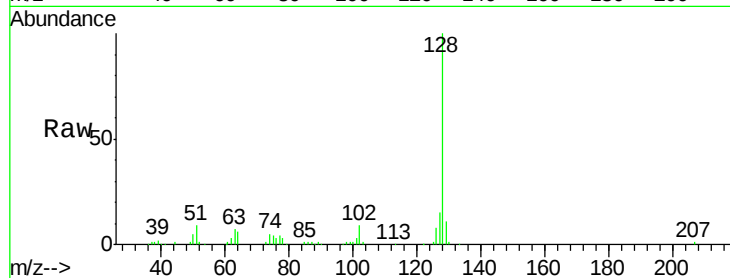
Tot Ion:128 Resp: 75725

Ion Ratio Lower Upper

128 100

127 13.8 10.7 16.1

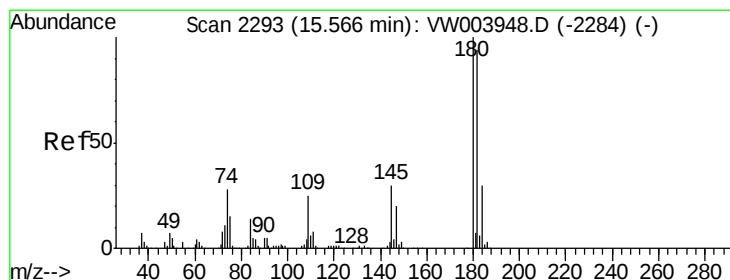
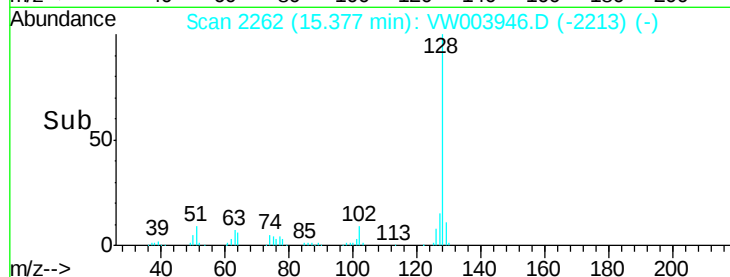
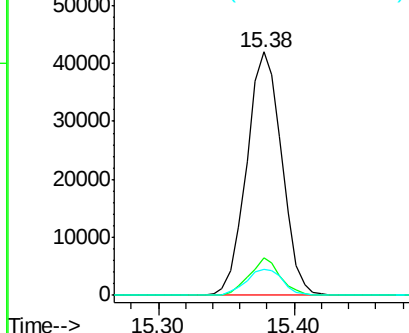
129 11.2 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70):

Ion 127.00 (126.70 to 127.70):

Ion 129.00 (128.70 to 129.70):



#96

1,2,3-Trichlorobenzene

Concen: 9.96 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW003946.D

Acq: 16 Jul 2018 12:23

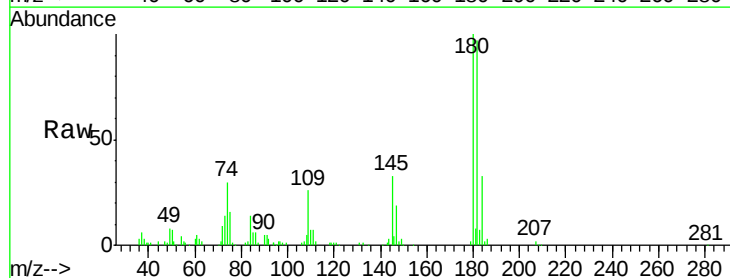
Tgt Ion:180 Resp: 38913

Ion Ratio Lower Upper

180 100

182 97.0 47.5 142.6

145 32.0 15.8 47.4



Abundance Ion 179.80 (179.50 to 180.50):

Ion 181.80 (181.50 to 182.50):

Ion 144.90 (144.60 to 145.60):

